Attorneys for Plaintiff Gemini II Ltd.

UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

GEMINI II LTD.,

08 Civ. 6334 ()()

Plaintiff,

- against -

DECLARATION OF GAVIN BLADEN

DERECKTOR SHIPYARDS CONN., LLC,

Defendant.

GAVIN BLADEN hereby declares under penalty of perjury:

- 1. I am the Owner's Representative on the Gemini Project which is currently under construction at the Derecktor Shipyards Conn., LLC ("Builder") in Bridgeport,
 Connecticut. The Project Gemini is being constructed pursuant to a Vessel Construction
 Agreement between the Builder and Gemini II Ltd. ("Owner") dated as of June 30, 2005
 ("Contract"). A copy of my curriculum vitae is attached as Exhibit 1 to this Declaration. A copy of the Contract (without exhibits) is attached as Exhibit 2 to this Declaration. A copy of Exhibit A to the Contract, namely the Specifications, is attached as Exhibit 3.
- 2. I was named as the Owner's Representative shortly after the Contract was entered into between the parties, and have been present at the Shipyard since the commencement of construction in September, 2005. Pursuant to the Contract, page 3, the Delivery Date was set

at November 30, 2007 except as may be changed pursuant to a Change Order. No scheduling impacting Change Orders have been agreed to in writing and signed by the Builder and the Owner, as provided in Article 2(h). As a result, the Delivery Date remains November 30, 2007. The Contract provides a fixed Purchase Price of \$27,094,498.00, including the payment of subcontractors. To date, the owner has paid in excess of \$20 million in payments to the Builder and subcontractors for work on the vessel.

- The Builder did not complete the Vessel in a timely manner. Indeed, even 3. as of today, approximately 25% of the work remains incomplete. The Builder has advised that its latest estimate of completion of the Vessel is June or July 2009, approximately 18 months after the Delivery Date required by the Contract.
- During the end of April or beginning of May, 2008, I was advised by the Builder that it would move the Vessel to a structure that had been originally prepared for sandblasting work at the Shipyard. About two week ago, I was advised that the Builder would move the Vessel on Saturday, July 12, 2008 to this structure.
- 5. This structure consists of empty 40 foot containers that are stacked three high and form three walls. To the top of the containers is attached a corrugated aluminum roof structure. One entire end of the structure is open to the elements. I requested further information with respect to the structure. As described to me, the structure would only provide approximately 6 feet of clearance on either side of the Vessel, 11 feet of clearance at the stern of the Vessel, and 4 feet of clearance at the bow of the Vessel.
- The building where the vessel has been housed in to date is much larger 6. and affords much greater clearances on all sides of the vessel. These clearances in the current building have large mezzanine areas that permit fabrication, wood, metal, plumbing and electrical work stations, and storage of materials in easy access to the main deck of the vessel.

This layout clearly facilitates the construction operation of the Builder as well as the subcontractors. Attached hereto as Exhibit 4 are copies of pictures of the Vessel in the building it has been housed in to date.

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- 7. I have been given limited information regarding the enclosure of the fourth side of the cargo container structure. The most recent information that I have received from the Builder is that they intend to install a fabric door on this fourth side. I was told that the door would not be ready for at least two weeks after July 10, 2008. I have not received any information with respect to the design of this door for this fourth side. The fourth side is approximately 68 feet long and approximately 50 feet high. Given the large area covered by the fourth side, I consider it important to understand the intended enclosure for purposes of proper climate control and protection from the elements. Other than the general comment that a door would be placed on the fourth side, I have not received any further information with respect to the planned enclosure of this fourth side.
- 8. I have also asked for a copy of the Certificate of Occupancy of the structure. The most recent request for the Certificate of Occupancy was made in a meeting on July 10, 2008 attended by Paul Derecktor, the managing director of the Shipyard and a partial owner of the Shipyard, John Gallagher, a vice president of the shipyard, Dr. Anthony Marlon, the beneficial owner of Gemini, and myself. At the meeting, Paul Derecktor and John Gallagher were asked if they had obtained a Certificate of Occupancy. They did not answer the question. The also did not provide us with a copy of the Certificate of Occupancy.
- 9. With respect to electrical power, I have been advised by representatives of the Builder that permanent electrical power is not yet connected to the structure and that that power would not be available on a permanent basis for "a week to two weeks." I also understand

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that there are no plumbing facilities at the building, there are leaks that have not been addressed, and that heat is not available to the structure.

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- be maintained by the Builder pursuant to Article 22 of the Contract. Pursuant to this same

 Article, the Builder is required to furnish the Owner with copies of all relevant insurance policies and endorsements. Late in the evening of July 10, 2008, I received a copy of a Renewal

 Certificate apparently issued by Traveler's. I have not received the policies. The Renewal

 Certificate does not include the insuring clauses, exclusions and conditions. As a result of this failure to provide the insurance policies, we are uncertain with respect to the precise coverage terms for the Vessel as well as any conditions, warranties or exclusions that may apply.
- As of June 13, 2008, I observed that the Shipyard significantly reduced the crew of workers on the Vessel. From that date until the current date, the usual compliment of workers was reduced from approximately 40 workers per day to 5 or fewer workers per day. The work that has been accomplished by the Shipyard during this nearly four week period has been minimal at best with the majority of the effort being in preparations to relocate the Vessel. As a result of the work stoppage by the Builder, subcontractors who are at the Shipyard to complete the interior of the Vessel have been delayed in their work and have now advised that they would be leaving the site on July 14, 2008. We were advised that the interior subcontractor can no longer efficiently install the interior because of items that the Builder has still not completed.
- 12. The Builder advised me approximately two weeks ago that it planned to move the Vessel to the cargo container structure this Saturday, July 12, 2008. Because of the concerns raised by the conditions set out above, Gemini II objected to the move and instructed the Builder to re-commence work on a full time basis on the Vessel in its current location. We confirmed this instruction in a letter that I delivered on July 10, 2008 by email and on July 11,

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2008 by U.S. mail pursuant to the notice provisions of the Contract. A copy of this letter is attached hereto as Exhibit 5.

- 13. On the morning of July 11, 2008, I met with John Gallagher to discuss the Vessel and its proposed move to the Container Building. I expressed the Owner's concern and objection about the proposed move.
- 14. Mr. Gallagher assured me at this meeting and confirmed in writing via email, that "Derecktor would not move Gemini to the container shed this weekend."

 Additionally, Mr. Gallagher stated that the Builder would complete the Container Building "get a Certificate of Occupancy before moving the boat to the building." A copy of this email is attached hereto as Exhibit 6.
- 15. Despite assurance otherwise, the Builder did in fact move the Vessel to the Container Shed during the morning of July 12, 2008 without the Owner's permission. Attached hereto as Exhibit 7 are copies of photographs of the Vessel in the Container Building.
- 16. On or about the morning of July 14, 2008, I visited the Bridgeport

 Department of Buildings, located at 45 Lyon Terrace, Bridgeport, CT. The purpose of my visit

 was to copy the permit applications filed by Derecktor with the Department and determine if a

 Certificate of Occupancy exists for the Container Building.
- 17. I met with Bruce Nelson, Deputy Building Inspector, who provided me with a copy of Derecktor's permit application which was filed with the Department on or about June 12, 2008. Attached as Exhibit 8 is a copy of the permit application.
- 18. Of note, the application calls the Container Building, an "interim utility building as a storage and weather shelter for sandblasting and performing service work on vessels (work normally done outside)." The application does not reference that it would be used

to house the Vessel or any other ships or that Derecktor intends to use the Container Building as a location for new construction.

- Mr. Nelson relayed that the Department had not yet issued any building 19. permits to Derecktor, rather it provided Derecktor with a correction list of items Derecktor needed to address before it would issue the building permit. Mr. Nelson provided me with a copy of the Department's correction list which is attached hereto as Exhibit 9.
- In our conversation, Mr. Nelson confirmed that the Container Building 20. does not have the required building permits nor does it have a Certificate of Occupancy.

This Declaration is made under the penalties of perjury of the United States of America. Signed this 14th day of July, 2008.

Gavin Bladen

5468173_v3

EXHIBIT 1

Page 2 of 3

GAVIN BLADEN

21 Ann Street APT B55 South Norwalk CT 06854 Tel- 203 451 3009

Personal

Date of Birth: 1st March 1972

Nationality: British Marital Status: Single

Education

Bingley Grammar school 1985-1991

 $7\ GCSE's\text{-}English, Mathematics, History, Geography, Biology, Chemistry, Design and Communication. \\$

4 A Levels-Economics, History, Geography, General Studies.

Qualifications

RYA Ocean Yachtmaster

PADI Dive Instructor

STCW95- Fire prevention and Fire Fighting

STCW95- Personal Survival Techniques

STCW95- Elementary First Aid

STCW95- Personal Safety and Social Responsibility

Proficiency in Survival Craft and Rescue Boats

STCW A-VI/3 Advanced Fire Fighting

STCW A-VI /4-1 Proficiency in Medical First Aid

OOW Navigation and Radar

OOW General Ship Knowledge

GMDSS GOC

MCA Master Seamanship

MCA Master First Aid

MCA Master Stability

MCA Master Business and Law

MCA Master Navigation

MCA Chief Mate 3000gt

Employment

July 2004- To Present

Captain/Owners Representative. Project Gemini, Sailing Catamaran 44.2m

Developed initial concept idea with the owner. Drawing on past experience gave guidance to the naval architects and interior designers, and ensured that the owners wishes are always followed.

June 2000-July 2004

Captain/Dive Instructor. S/V Double Feature - Lagoon 570

Double Feature is one of the most successful charter yachts based in the Caribbean. From construction in France, and over twenty five thousand nautical miles under her keels she has been maintained and managed to the highest standard.

October 1998-June 2000

Captain/Dive Instructor. S/V Pesket and Eol - Outremer 55

Involved with promoting and developing Pesket into a popular charter boat, sailing throughout the Caribbean offering full dive tuition for up to six guests.

June 1996-September 1998

Chief Dive Instructor/Relief Captain. S/V Cuan Law-105ft Trimaran.

Catering for twenty guests as a live aboard dive boat, Cuan Law also offered regular chartering activities. Responsible for co-ordinating crew to ensure the guests needs were accommodated, as well as the exterior appearance of the boat. Since February 1998 worked as relief captain.

December 1995- May 1996

Dive Instructor/ Crew. S/V Shiwara -65ft Monohull Involved in all aspects of sailing and maintenance of a busy charter yacht.

May 1992-May 1993

Travelled extensively around Australia, during which time the following positions were held, Divernaster-Pro Dive-Whitsundays
Divernaster-Reef Enterprise, Queensland
Deckhand-Cairns Dive Center, Queensland

Interests

Windsurfing, Tennis, Skiing, currently learning to Kiteboard

Beverly Hills, CA 90211 jt@valhallapix.com

References

Julie Thompson Marianne Doux-Laplace
Business Manager Base Manager
Valhalla Motion Pictures Catamaran Charters
8530 Wilshire Boulevard Po Box 281,Road Town
Suite 400 1-310-360-8533 Tortola

British Virgin Islands mdldp@surfbvi.com

1-284-494-6661

EXHIBIT 2

VESSEL CONSTRUCTION AGREEMENT

Between

DERECKTOR SHIPYARDS CONN., LLC

and

GEMINI II LTD.

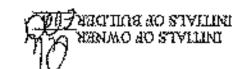
FOR THE CONSTRUCTION OF A

145' SAILING CATAMARAN

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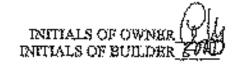


EXHIBIT G: Copies of Builder's Risks and other Insurance Policies and Endorsements

EXHIBIT H: Construction Schedule

EXHIBIT I: Foun of Milestone Certificate

EXHIBIT J: Form of Escrow Agreement for the Warranty Guarantee Account

EXHIBIT E: Cost Allowance Rems and total Cust Allowance
EXHIBIT L: Delivery Schedule for Owner Supplied Rems

EXHIBIT M: Equipment List

BAHIBIT N: Builder's Subcontractor Policy

EXHIBIT O: Items to be Delivered by Builder at Delivery of Vessel

EXHIBIT P: GEMINI Contract Price Summary (Final)

EXHIBIT Q: Naval Architect's "Weight Estimate: GEMINI" (V.03)

VESSEL CONSTRUCTION AGREEMENT

This Agreement is made as of the 2014 day of Iume, 2005,

by and between:

Genniai II LTD., a Cayman Islands excepted company, whose registered address is Cayman Business Park, A7, P.O. Box 10300 APO, Grand Cayman, Cayman Islands and its assigns (hereinafter referred to as the "Owner")

अक्टो:

Derecktor Shipyards Coon., LLC, a Delicoste Similed liability company, whose address is 857 Seaview Avenue, Bridgoport, Connection 06607 (hereinafter referred to as the "Builder").

WITNESSETE:

RECITALS:

WHEREAS, the Owner wishes to have custom built for it, to the highest standards, a 145' hixney sailing catamaran for both private use and for chartering (i.e., commercial use) and suitable for year round, worldwide cruising, all sens, with mass-occursic capability, all as more specifications (the "Vessel");

WHEREAS, the Builder has submitted a proposal to the Owner for construction and delivery of the Vessel; and

WHEREAS, after discussions and acgutations in respect of the Builder's proposal, the Owner and the Builder wish to enter into an agreement providing for the construction and delivery of the Vessel;

NOW THEREFORE, the Owner and Builder egree that the Builder shall build, construct, fit, equip, and complete the Vessel at its shippard located at Bridgeport, Consenticat, using the best yield building practices, best worknearship and finest quality materials, and shall subsequently faunch, test, classify, deliver and warranty the Vessel to the Cwasz, and the Owner shall pay for and accept and take possession of the Vessel, all upon the terms and conditions set forth in this Agreement

ARTICLE 1. PURPOSE

This Agreement sets out the terms and conditions on which the Builder will consider and delives the Versel to the Owner, and the conditions on which the Owner will pay for, hold ritic in, and ultimately accept delivery of the Versel.

INITIALS OF OWNER INITIALS OF BUILDER

ARTICLE 2. DEFINITIONS

In this Agreement, the following defined terms shall have the meanings assigned to them unless the context otherwise requires:

- "Acceptance" means acceptance of the Vessel by the Owner in accordance with ARTICLE 16.
- հի Adjusted Guaranteed Weight" has the meaning estribed thereto in Section 19.2 a)(i).
- "Agreement" means this Vessel Construction Agreement, together with the Plans and Specifications, the Standards, and all other exhibits or attachments hereto, all se reseaded in writing them time to time.
- "Base Grammteed Weight" has the meaning ascribed thereto in Section 19.2 a) a)(i).
- "Bulldor's Bank" mesus the Bush of New York/County Region, 535 East (S Buston Post Road, Mamaroneck, New York 10543.
- Ð "Builder's Shipyard" means the Builder's shippard in Bridgeport, Connecticut.
- "Business Day" means a calendar day celler than a Saturday, Sunday or public holiday in the state of Connection.
- "Change Order" means a variation from the "Plans and Specifications" agreed in writing and signed by the Builder and the Owner in strict compliance with the provisions of ARTICLE 11.
- 1) "Classification Society" means Bureau Verites.
- "Classification Surveyor" means a surveyor appointed by Bureau Veritae pursums to ARTICLE J.
- "Commencement Date" means the date on which all the events specified in Section 13.1 have been fulfilled.
- "Construction Schedule" metas the renteally acceptable GANTT than or equivalent format production schedule for the construction of the Vegael set out in Exhibit H hereto, as it may be modified by mutual written agreement from time to time.
- "Construction" or "Construct" means the engineering, fabrication, assembly, creation, testing, trials and delivery of the Vessel in conformance with this Agreement.
- "Contract Price" means the fixed price of Twenty-seven Million Ninety-four Thousend Four Hundred Ningty-eight and pol/100 Dollars (\$27,094,498,00), as stated in

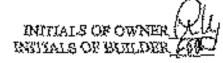
INTIIALS OF OWNER INITIALS OF BUILDER

ARTICLE 10, inclusive of the Cost Allowance as provided in Exhibit K, and inclusive of all fees, charges, toxes (other than sales tax), levies and other divises as described in ARTICEE 23 a) that may be imposed on or with respect to the Vessel and her components prior to acceptance of the Vessel by the Owner for which the Buikler is responsible, and inclusive of all costs of insurance as provided in ARTICLE 22, but subject to adjustment for any "Change Orders" made strictly in accordance with ARTICLE II.

- D) "Cost Allowance" means the amount of \$5,884,422.00, being the sum of the aggrappie of all of the Cost Allowance Items identified on Exhibit K.
- "Cost Allowance Reins" means the various items or work identified on Exhibit K, the estimated values of which in the aggregate make up the Cost Allowance.
- "Default Rate" means the interest rate calculated on a daily basis at the aggregate rate per annum of the "mime rate", as announced from time to time by Bank of America, N.A., plus 4 %, and compounded annually.
- "Delivery Date" means November 27, 2007, or such earlier or later date as may c): be provided in a Change Order, or as may be entended in accordance with any provisions of this Agreement expressly providing for extending or shortening such date. or such other date as the partice may agree in writing.
- **{**2 Delivery Payment" lists the meaning ascribed thereto in Section 12.2 a)
- "Deposit" means the initial amount equal to five percent (5%) of the initial Contract Price as provinted in Section 13.2 a)(i).
- ıΩ. "Effective Date" secons the date as determined in accordance with ARTICLE 30.
- "Equipment" means all items, including without ficultation equipment, machinery, electronics, parts and materials used or intended to be used in fee Construction of the Vessel, but excluding "Owner Supplied Rems."
- "Equipment List" means the equipment list signed by the Owner and Builder mid attached heroto es flixhibit "M", and any written amendments or addende thereto. and any fluther equipment lists as may be agreed in writing from time to time between the Owner and the Builder, all of which form an integral part of this Agreement,
- X) "Escrow Agent" incens Holland & Knight LLP or any successor escrow agent appointed pursuage to the forms of the Exerow Agreement.
- "Excress Agreement" means the Excress Agreement in the form of Exhibit J providing for the establishment and operation of the Warranty Guarantee Account.

INITIALS OF OWN INITIALS OF BUILT

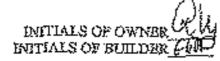
- z) "Fing State" means the Cayman Islands, which is designated by Owner as the State where the Vessel will be registered upon completion and delivery.
- as) "Force Majeure" means any event or circumstance beyond the control of the party asserting it which renders such party unable to perform any of its obligations under this Agreement including, without limitation, so-called "acts of God", firs, flood, explosion, lightning, acts, orders of any governmental authority, agency, or department, strikes, lockouts or other industrial disturbances, acts of terrorists or other public enemies, note or civil commotion, war, or blockado.
- bb) "Insured Amount" has the meaning ascribed thereto in ARTICLE 22 e).
- cc) "Interior Designer" means the interior designed arbitrat engaged by the Owner as contemplated by Section 6.2, or any replacement or substitute anguaged by the Owner.
- dd) "Invoice" means a Builder supplied document requesting payment and detailing the justification for the requested payment.
- ee) "Lessor" means The Bridgeport Port Authority.
- Manufacturers Warranties" has the messing ascribed thereto in Section 19.1 g).
- gg) "Marine Engineer" means the purine engineer cagaged by the Owner as contemplated by Section 6.3, or say replacement or substitute cagaged by the Owner.
- bh) "Measured Weight" has the meaning ascribed therein in Section 19.2 a)(j).
- in such other form as may be agreed by the Builder and the Comer, to be signed prior to the payment of each Milestone Payment (other than the Deposit) by each of (i) the Builder or the Project Coordinator and (ii) the Owner or the Owner's Representative, and at least every other Milestone Cartificate also to be signed by both the Marine Engineer and the Classification Surveyor, as provided in ARTICLE 12.
- jj) "Milestone Payment(s)" has the meaning ascribed thereto in Section 12.2 a).
- 12) "Naval Architect" means the naval meditest angaged by the Owner as contemplated by Societ 6.1, or any replacement or substitute cogaged by the Owner.
- B) "Owner's Representative" means the person appointed by the Owner pursuant to ARTICLE 4 a), or any replacement or substitute engaged by the Owner.
- num) "Owner Supplied Rems" means any items identified in Section 11 or Section 16.02 of the Specifications, or skewbere in the Specifications, that are specifically to be purchased or familihed by the Owner for inclusion in the Vessel.



rm) "Payment Lecation" means the account listed below or such other account or place as the Builder may designate in writing to the Owner from time to time becausedor:

The Bank of New York/County Region 535 East Boston Peat Road Mamazoneck, New York 10543 ABA #021-0000-18 Account Name: Desector Shippards Conn., LLC Account No. 6701-990-887

- oo) "Flans" means the plans and drawings signed by the Owner and the Builder and attached hereto as Exhibit B, and any written amendments or addends thereto, the plans and frawings provided by the interior Designer, when approved by the Owner and Builder, and any further plans or drawings as may be agreed in writing from time to time between the Owner and the Builder, all of which form an integral part of this Agreement.
- pp) "Project Coordinator" means the person appointed by the Builder pursuant to ARTICLE 5.
- qq) "Regulatory Body" means any governmental department or agreety of the Flag State, or Classification Society or other authority which issues, interprets or enforces the laws, rules and regulations that will govern the Construction and classification of the Vessel as set forth in the Specifications and in ARTICLE 7.
- n) "Sea Trials" means the fock trials and sea trials to be performed as provided in ARTICLE 16 and in the Specifications.
- ss) "Shippord Lease" means the Builder's lease dated September 11, 2000 with the Leases for the promises on which the Builder's Shippord is located.
- ti) "Specifications" means the specifications signed by the Owner and the Builder and attached betato as Exhibit A, including the interior specifications developed by the Interior Designer and/or by Ian Greeves, as reasonably approved by the Builder, and my written amendments or addends to my of the foregoing, and my further specifications as may be agreed in writing from time to time between the Owner and the Builder, all of which form an integral part of this Agreement.
- uu) "Standards" meens and molecules all of the following:
 - (i) the Specifications and any addenda (Exhibit A),
 - (ii) the Plans and any addenda (Exhibit II),
 - (iii) the Equipment List and any addenda (Exhibit M),
 - (iv) the Bureau Veritan ("BV") Classification Standards and Rules applicable to the Vessel for classification with the notations specified in ARTICLE 7 b)

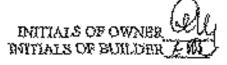


and/or in the Plans and Specifications and any amaginization end/or addenda-(Sxhibit R),

- (v)the MCA Large Commercial Yacht Code ("Y") (Exhibit F),
- all applicable laws, regulations and rules of the Flay State, (vi)
- all applicable laws, regulations and rules of the United States that apply to foreign flag yachis operating in U.S. waters, and
- (viii) National Fire Protection Association, Standard 302 for Picasure and Commercial Motor Craft, 2004 Edition on latest edition thereafter (but only to the extent not in conflict with the other manderin identified above).
- "Subcontructor" reseas my person other than employees, engaged by the Builder to execute any part of the work under this Agreement on behalf of the Builder.
- "Supplier" means any person responsible for the simply, manufacture, construction, installation or delivery to the Builder of any of the materials, reachinery, equipment or ether components of the Vessel,
- "Warranty Guarantee Account" means the interest bearing escrew account established and operated by the Bacrow Agent nursuant to the terms of the Pacrow Agreement for the sole purpose of administering the finals from the agreed 2% holdback from each Milestone Payment made by Owner until the amount in such account resches Four Hundred Thousand Dollars (\$400,500,00), all as provided in Section 12.1.
- "Warranty Period" means the eighteen (18) month-period following the date the Protocol of Delivery and Acceptance is signed by the Owner.

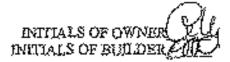
ARTICLE 3. SCOPE OF THE WORKS

- Builder shall Constitut the Vessel in accordance with this Agreement, as modified by any Charge Orders, and in compliance with the Standards, within the Construction Schedule, and to the full classification of the Classification Society as specified in ARTCLE 7. The Vessel shall be Constructed in a manner consistent with the standards, practices and workmanship of a first class outtom builder of laxyry yachts. The Builder hereby designates the Vessel as the Builder's ID Number 85135.
- Unless otherwise specified in the Specifications, Builder shall be responsible for (i) purchasing all Equipment, and (ii) providing all labor or arranging Subcontractors to provide such labor, each as is necessary for the Construction of the Vessel.
- Construction of the Vessel includes the engineering, fabrication, assembly, execution, testing, trials and delivery of the Vessel in conformance with this Agreement. and includes all certificates described herein or in the Specifications as well as other confiltrates, if any, required by the Flag State, the Classification Society, or any other Regulatory Body. All elements of such Construction shall be accomplished by the



Builder at no additional cost to Owner of Owner's Representative, except for Change Orders and/or as otherwise provided in this Agreement.

- d) It is the intent of this Agreement that the Problem is to Construct, furnish and outfit the Vessel so that it will be ready for its intended service, pursuant to the Plans and Specifications. All does to be furnished by the Owner are specifically identified in Section 11 and Section 16.02 of the Specifications as Owner Supplied heres. Anything accessary for the proper construction and functional operation of the Vessel that is not specifically identified as Owner Supplied Heres in Section 11 and Section 16.02 of the Specifications is the responsibility of the Builder. The Builder is also responsible for the installation of Owner Supplied Items, including all necessary furnishing connections, and related equipment, all as provided in the Specifications.
- The Council deal) chain and arrange for delivery to the Bedder's proteises all th the Owner Supplied Beans specified to the Specifications in accordance with the schedule attached hereto as Exhibit L, for Builder to install in the Vessel. The Builder that purify the Owner thirty (30) days in advance of the Builder's north for the Owner. Supplied Items, which shall be approximately on the dates indicated on Existin L. The Owner shall also timely provide to the Suitter any information and documentation necessary for the headling, storing and installation of Owner Supplied Items. Frint to the delivery of Owner Supplied Rems to the Huilder's Shippard, they shall be entirely at the risk of the Owner. Upon the delivery of Owner Supplied Items to the Builder's remnises, the Builder may carry out such inspections and checks as it would for its own received materials and equipment. The Builder shall be entitled to reject such of the Owner Supplied Besus as the Builder finds to be damaged or defective or not suitable for installation in the Vessel. The Suilder shall promptly notify the Owner's Reoresentative of any such non-ecceptance and give reasonable details of the traspas for seeds non-acceptance. The Owner shall arrange for the prompt replacement or repair of any such damaged, defective, or nosminable items. The Builder shall, at its own risk and expense, receive, inspect, and check as to confermance with packing lists and bills of lading all Owner Supplied Reses upon their arrival at the Buiking's premises, and chall immodiately mark them with the Duilder's ID Number 85135 and preperly sad secusely hundle, store, motest and busine them, with the sume high degree of case and diligence as if they had been purchased by the Builder. The Builder shall store all Owner Supplied Items in secure and appropriately elimate controlled storage facilities, sengrated and segregated from the Builder's own inventory and equipment. The Builder shall be responsible for any displays to or love of Owner Reppival Reas after receipt at the Builder's premises, no matter how such damage or loss may arise, unless paused directly by the Owner's Representative or employees, or by subcontractors empaged by the Owner.
- f) The installation of, or preparation for installation of, the Owner Supplied Bons is included in the scope of the works for which the Builder is responsible to the extent so exact in the Specifications. To the extent, if any, that the Specifications do not provide for the installation by the Builder of certain of the Owner Supplied Bons, the



Page 13 of 63

installation may be carried out by the Owisz or its subcontractors, at the expense of the Owner. Alternatively, if the Builder and the Owner to agree, any of such items may be installed by the Builder with such installation being handled as a Change Order pursuant to and in compliance with the provisions of ARTICLE 11. If Owner Supplied licans are being installed by the Owner or its employees or subcontractors, the Builder shall provide them access to the Vessel and to the premises of the Builder and of any Subcontractors of the Builder, to the extent necessary in connection with the efficient performance of such work and installations. While carrying out such installations, the Owner's Representative and Owner's employees or aubunstractors shall not underessarily obstruct the Builder or its Subcontractors in their continuing construction of the Vessel.

The Builder shall prominently mark the Vessel and all Equipment and Owner Supplied Items with the Builder's ID Number \$5135 or other clear and definitive markings identifying them to the Vessel immediately upon their arrivel at the Builder's Shippard, or in the case of items that will be taken from the Builder's stock or inventory, immediately upon their being identified as intended or designated for the Vesuel.

ARTICLE 4. OWNER'S REFRESENTATIVE

- On or before the Commencement Date the Owner shall notify the Builder in writing of the name of the Owner's Representative. The Owner shall similarly notify the Builder promptly of any replacement of the Owner's Representative.
- If the Owner's Representative for any replacement appointed parament to this Section) is usable or unwilling to act, or shall be removed from this position by the Owner at any time, the Owner shall us soon as reasonably practicable notify the Builder of the name of the replacement appointed by the Owker.
- The Owner's Representative shall carry out the dutics set forth herein, and may exercise the anthority specified in or natossarily to be implied from, this Appropriate
- Except as expressly stated in the Agreement, the Owner's Representative shall have no sutherity to amend the Agrestment, or to agree to any single Change Order costing more than \$5,000.00 or total Change Orders costing more than \$250,000.00 in the aggregate. For approval of pengoued change orders having a cost impact in excess of these limits, the signature of the Owner is required.
- The Builder shall provide, at its expense and cost, suitable office space and office facilities at the Builder's Shipyard for the Owner's Representative as may be seasonably necessary to enable him effectively to carry out his work. This includes the supply of scoure office space, office fluxiture, availability of meeting rooms, telephone and telefax lines, and high speed internst access. Communication expenses of the Owner's Representative shall be charged to the Owner's account.

- The Owner's Representative will not give instructions to any Subcontractor, agent or employee of the Builder except the Project Coordinator.
- All legal permissions and acceptances required for the Owser's Representative's stay or visits in the United States of America as well as all insurances received (e.g. third party, accident & health) during work on or off the Builder's promises shall be the Owner's responsibility.
- The Owner's Representative will be the direct contact of the Project Coordinator for performance of this Agreement.

ARTICLE 5. PROJECT COORDINATOR

- On or before the Commencement Dage the Builder shall notify the Owner is writing of the same of the Project Coordinates. The Builder shall similarly notify the Gwner of any replacement of the Project Coordinator.
- The Project Coordinator will be responsible for everseeing the Construction of the Vessel within the conditions of this Agreement.
- Except as expressly stated in this Agreement, the Project Coordinator shall have no multiplity in agreed this Agreement, or to agree to any single Change Order conting more than \$10,000,00 or total Change Orders costing more than \$500,000,00 in the aggregate. For approval of proposed Change Orders having a cost impact in excess of these limits, the signature of the Builder is required. The Project Coordinator will be charged with presenting proposed changes to the proper authority of Builder for approval when asked by the Owner in Owner's Representative.
- The Project Coordinator will be the direct contact of the Owner's Representative for performance of this Agreement.
- The Project Coordinator shall receive on behalf of the Builder all consents, approvals, enters, instructions and information gives by the Owner's Representative.

ARTICLE 6. NAVAL ARCHITECT; INTERIOR DESIGNER; MAIGNE ENGINEER

Section 6.1. Naval Architect

- The Navel Architect engaged by the Owner is Van Petegbera Lucrios Prévost SARI. The Owner is responsible for paying the Naval Architect's charges.
- The Naval Architect will provide noncepts, geometry, functionality and ensitivities of the Venuel and related items, but will not provide construction drawings or detailed drawings, except as indicated to the contrary in the Pleus and/or Specifications. It will be the responsibility of the Builder to prepare all other fixed construction drawings or detailed drawings, subject to approval by the Owner or Owner's Representative.

INITIALS OF OWNER INTITALS OF BUILDER AND

The Builder may communicate directly with the Navel Architect in position. relating to the plane and drawings provided by the Neval Archiect and the Owner shall instruct the Naval Architect to work in cooperation with the Builder in that regard. The Owner's Representative shall be copied on all comparmications between Beilder and for Nevel Architect. The Builder shall have the right not to accept any concepts, genmetry, functionality and auxiliation of the Vescol proposed by the Naval Architect that would make the Vessel wasafe, or that would not comply with the Standards.

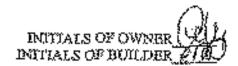
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Section 6.2. Interior Designer

- The Interior Designer engaged by the Owner is Michael Louth Design Limited. The Owner is responsible for paying the interior Designer's charges.
- The Interior Designer will be responsible for providing plan views, elecations, ceiling plans, neaterials specifications, lighting details including fixtures, fabric details, and furniture design details for all the Owner, goest, trew, and public spaces for the Vensel, but will not provide construction thawings or detailed drawings, except as indicated to the contrary in the Plans and/or Specifications. The Builder shall provide the Experior Designer with recurrence to the vectors of the Vessel defining the space available for the interior famishings. The laterior Designer shall not be responsible for providing any details for the largeste, cagine room, and auxiliary machinery spaces of the Vessel. It will be the responsibility of the Builder to preper all other final construction drawings or detailed drawings, publicat to approval by the Owner or Owner's Remesenuative.
- The Builder may communicate directly with the Interior Designer in matters relating to the interior pluss and drawings, and the Owner shall instruct the Interior Designer to work in cooperation with the Builder in that regard. The Owner's Representative shall be copied on all communications between Builder and the Saterior Designor. The parties recognize that development of the interior plans and drawings to the Owner's expectation will be a cooperative effort requising the exercise of "good faith" by all involved. The Buijder shall have the right not to accept any concepts or ideas as proposed in the Interior Designer's inserior plans and drawings that would make the Vessel meals, or that would not comply with the Standarda.

Section 6.3. Marine Engineer

- The Marine Engineer engaged by the Owner is Taylor Marine Services, Inc. The Owner is responsible for paying the Marine Bugineer's charges.
- Ð) The Marine Engineer will provide schematic concepts and technical documentation for contain engineering systems for the Vessel, but will not provide class approved designes, consideration drawings or detailed detainings. It will be the responsibility of the Builder to prepare the Enal countraction drawings or detailed distrings, subject to approval by the Owner or Owner's Representative.



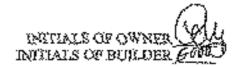
c) The Builder may communicate directly with the Marine Engineer in matters relating to the cognicating systems, and the Owner shall instruct the Marine Engineer to work in cooperation with the Builder in that regard. The Owner's Representative shall be copied on all communications between Builder and the Marine Engineer. The Ruilder shall have the right not to accept any schematic concepts and technical documentation for engineering systems as proposed by the Marine Engineer that would make the Vessel unsufe, or that would not comply with the Standards.

ARTICLE 7. CLASSIFICATION AND STANDARDS

- u) The Huilder is to be responsible for constructing the Vessel to the Standards. Notwighstanding engining to the contrary in this Agreement or in the Plans and Specifications, unless (but only to the extent) provented by a Change Order approved in accordance with ARTECLE 11, it shall be the duty of the Builder to construct, complete and deliver the Vessel in compliance with the Standards.
- 5) The Vessel shall be subject to full plan review by, and shall be constructed under full survey by the Classification Society (as to both hull and machinery) in accordance with its rules and regulations for the classification designations and/or symbols set forth below (and the Vessel shall be so classest):

<u>Class Symbob</u>	Construction Marks:	Service Nogation:	Other:
Į	🗗 (Maliese Cross) HLLL.	YACUT	(E) Rapiposat
	 (Bullet) MACH. 		

- c) Furthermore the Vessel shall be conspicted, equipped and callitied to comply with the laws, rules and regulations of the Plag State and of the United States first apply to foreign flag yachts operating in U.S. waters, and with international conventions and regulations in force in United States waters, to the extent applicable to vessels of the size and type of the Vessel, and that carry not more than 12 passengers on international voyages, including, without limitation:
 - (i) Convention on the International Regulations for Preventing Collisions at Sea, 1972, as amended;
 - (ii) International Convention for the Prevention of Pollution from Ships, 1973 ("MARPOL"), as subsequently emended/represented by the 1978 MARPOL Protocol ("MARPOL 73/78"), and all applicable sources and assendments, and statutory modifications or re-enactments thereof for the time being in force in the United States.
 - (iii) Inequational Convention for the Safety of Life at Sea, 1974, and 1978 Protocol, 1988 Protocol, and all applicable appears and amendments (to the extent applicable to the Vessel), including, without limitation, the amendments



regarding Radio Cosmonications for the Global Maritime Distress and Safety Systems ("GMDSS");

- International Convention on Tonnage Measurement of Ships, 1969, as amended, and Suca Canal and Proxima Canal townsgo regulations and requirements;
- International Load Line Convention, 1966, and 1988 Protocol, and all amplicable angenes and nareadments (in the extent applicable to the Vessel);
- International Telecommunications Convention, 1982 and ameres and amandments (to the extent applicable to the Vessel);
- Any other conventions or regulations as may be particularly anged in the Specifications.
- If after the Effective Desc of this Agreement any modifications are made to the laws, rules and regulations applicable to the Vessel or their interpretation or application and such modifications are compulsory for the Vessel, the Builder shall present to the Owner's Representative a proposed Change Order for the regarded modifications.
- The decisions of a Regulatory Body shall be final and binding on hoth contracting parties as to the Vessel's compliance or may compliance with the laws. rates and regulations observance of which is controlled by the said Regulatory Body.
- The Builder along is to be responsible for the construction of the Vessel and the quality of workenseship and motorials other than Owner Supplied Brans. The fact that drawings have been shown to the Owner or approved on behalf of the Owner by the Owner's Representative will not relieve the Builder in any way from ARTICLE 7 at. Anything not mentioned in the Specifications, Exhibit A, but which is as of the Riflective Date of this Agreement required by the Classification Society and/or the Flog Start for the construction or functional operation of the Vessel is to be supplied and installed at the Bailder's expense.
- At the Builder's request, the Classiflention Society shall nominate a representative (the "Classification Surveyor") to inspect the Vessel during Construction.
- The Buildes shall pay all fees and charges incidental to the inspession, classification and compliance with the Flag State's and the Classification Society's rules and regulations, and with the requirements set forth in the Standards in relation to the Construction of the Vessel, including fees and charges for plan approval, certifications, issuance of cartificates, or any related costs. Any and all fees that may be charged by the Classification Society with respect to its verification and execution of any and all Milestone Carbillusies shall be borne by the Builder.

INTITALS OF BUILDER

- The Builder shall arrange for all materials and equipment used and to be used in the construction of the Vessel and all construction work to be made available for inspection and testing, as required, by the Classification Society and the Owner's Representativo. The Builder shalf make all appearant facilities available so that those ingreptions and tests can be carried out by the Classification Society and the Owass's Representative antidy and conveniently. One original and one copy of all test certificates issued the Classification Society or by any magnificancers shall be provided to the Owner's Representative.
- The Mulder shall pay for testing and materials consumed during testing mentioned in this ARTICLE or in ARTICLE 16.

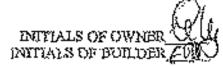
ARTICLE 8. CONSTRUCTION

Section 8.1 . Location

- The Builder shall Construct the Vessel of the Builder's Shipperd. Prior to delivery, the fluither shall not permit the Veskel to be removed from that shipped ex.ពម្យាន់:
 - with the prior cossent of the Owner, or (i)
 - for purposes of the Sea Trials; or (ii)
 - in case of a Force Majours event when it is accessary for the safety or (33)protection of the Vessal, or
 - in the event of the vake termination of this Agreement.

Section 8.2. Subcontractors

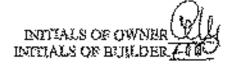
- The Builder may appoint Subcontractors as it decent lit for certain specialized **(8** work,
- H) The Builder, however, remains responsible for any work parformed or matchals. supplied by its Subcontractors to the same extent as if the Builder had performed the work or supplied the restorials itself.
- Unless gisputed in good faith and by appropriate commercial or logal actions initiated before for due date, the Builder shall pay when due all invoices, charges or claims due for labor, services, materials, Equipment, and supplies fundabed for the work done under this Agreement by any and all persons and exities for which it is Builder's obligation to pay updat this Agreement, including Builder's Subcontractors. Builder agrees in protect, defend, indumity, and hold handless the Vessel and the Owner from any and all liens, demarate or claims resulting from or arising out of any work performed or materials, Equipment, and supplies formished under this Agreement



by Builder or by Beilder's Subcontractors of Vendors or by any and all other persons and gratifies for which it is Builder's obligation to pay under this Agreement.

Control Of Construction; Access by Owner or Owner's Representative

- Until acceptance of the Vessel by the Owner, the Owner shall have the right to isaye the Vessel and all engines, machinery, ontift, equipment and materials intended therefore, and all every being done thereon, inspected during the construction by the Owner and/or Owner's Representative, the Naval Architect, the luterior Designer, and/or the Marine Engineer (or by other inspectors designated by the Classification, Society or the Flag State) for the purpose of determining that the Vessel is being constructed in accordance with the terms of this Agreement. The Builder chief grant raph persons free access during normal working hours to the Vessel and such other items at the Builder's Shippard and workshops and storage facilities or wherever the some may be located or wherever work is being done. The Builder shall provide such inspectors with reasonable working facilities, including office accommedation and telephone and telefan facilities and high speed internet necess.
- The Builder shall use its best efforts to proceed that, with reasonable prior 8) notice, the Owner's Representative shall have access to the premises of the Subcontractors of the Builder who are doing work in connection with the construction of the Vessel.
- White carrying out his inspections under this Agreement, the Owner's Remesoristive shall not obstruct the Builder or its Subcontractors in the construction of the Vessel, nor shall be direct or correspinate to any employer of Builder or any Subconventor, except the Project Coordinator, Worlform any work hareumier.
- The Owner's Representative and miscortractors, if any, may exercise their finicitions during the numeral business bours of the Builder or as otherwise agreed with Buikiar.
- The Owner's Representative and subcontractors, if any, shall be obligated to abide by all reasonable and applicable published company rules and regulations when present in the premises of the Builder and/or its Subscriptions. A copy of Builder's Subcontractor Policy is attached herete as Exhibit N.
- The Owner's Representative may consult with the Project Coordinator in all matters relating to the construction of the Vossel as frequently as the Owner's Representative considers necessary but to less than once a week on a day to be agmed.
- The Huilder shall use its best efforts to maintake an open and cooperative communication pathway among the Builder, Owner's Representative, and any Subcontructors on all issues involving such Subcontractors.



- a) During the Construction of the Vessel the Owner's Representative shall have power to demand its writing;
 - (i) the removal from the Vessel or from the construction site, within such time or times specified in the instruction, of any Equipment of materials which in his removable opinion do not comply with the Agreement;
 - (ii) the replacement of each Equipment or materials with others that in the reasonable opinion of the Owner's Representative do so comply, and
 - (iii) the removal and proper replacement of any work which, in respect of materials or workmanship or design or engineering supplied by the Builder or for which the Builder is responsible, does not in the reasonable opinion of the Owner's Representative comply with the Agreement.
- b) Such instruction given by the Owner's Representative must clearly state the basis for such removal, including the relevant provision of this Agreement.
- o) On receipt of such instruction, the Project Coordinator shall either
 - comply with the instruction and remedy such work undire meserials and/or design and/or coginerating; or
 - (ii) contest the instruction received from the Owner's Representative by sending a written notice to the Owner's Representative explaining the reasons for his disagreement with the instruction.
- d) If the Project Coordinates contrate the instruction received from the Owner's Representative and the Project Coordinator shall hold an official meeting as soon as practicable, and in any event within tive (5) Business Days after the notice was delivered, to solve the problem.
- e) If during the meeting the Owner's Representative sad the Project Coordinator agree on the matter, they shall record the agreement in the minutes of the meeting signed by both, and the Project Coordinator shall pramptly intolement the agreement.
- f) If during the meeting the Owner's Representative and the Project Coordinator are maddle to agree on the matter it shall be referred for resolution in accordance with ARTICLE 27.

Section 8.5. Construction Schedule

a) Anached horses as Exhibit H is the Construction Schedule prepared by the Builder nesting out in detail the timetable for delivery by the Neval Architect, Interior Designer, and Marine Engineer of those deliverables required by the Builder so that the

> enitials of owner (C enitials of sullder &

Suider can residuin its schedule, and the timetable for the construction and completion of each of the major elements, compensate and systems of the Vessel, and for the ordering of and delivery to the Builder of the papir materials, empires, machinery. equipment and other components of the Vessel, including the Owner Supplied Items, provided that the said Exhibit II may be amended from time to time in accordance with fac tensor of this Agreement. Ticky in providing to the Builder the required deliverables or Owner Supplied Reson may entitle the Builder to an extension of the Delivery Date, but only as and to the extent provided in Section 13.2.

The Construction Schedule for the delivery of the Vegsel to the Owner by the Delivery Date assumes that the Builder employs commercially reasonable construction practices to comply with the Plans and Specifications using a skilled labor force working a stendard 40 hour work week. The Owner may request, and the Brilder shall reasonably comply with such request, at a mutually agreed price, to shorten the Construction Stockine and accelerate the Delivery Date by camboying overfixes and such other prestices as will accelerate the delivery of the Vessel.

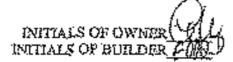
Section 8.6. Construction Weight Monitoring and Control

Builder arknowledges that weight control is an essential component of the Vessel. Therefore, in addition to Builders warranty of the Adjusted Gugranteed Weight pursuant to Section 19.2 a)(i). Builder shall inclitate a weight compol program and use its best efforts to evaluate, engineer, recommend and monitor all aspects of the Vessel weight desira, Creatruction to that the Measured Weight of the Vessel at delivery will not exceed the Adjusted Gascanteed Weight determined in accordance with Section 19.2 a)(ś).

ARTICLE 9. APPROVAL OF PLANS AND DRAWINGS, AND EQUIPMENT

Section 9.1. Plans and Drawings

- The Project Coordinator shall submit to the Owner's Representative for review based on the Plans and Specifications copies of all construction plans and detailed drawings necessary for the classification or Construction of the Vessel.
- The Owner's Representative shall provide his comments in writing on such plans and drawings as soon as practicable, but in any event within ten (10) calendar days of receipt.
- If the copy of the plans and drawings are returned to the Project Coordinator with comments by the Owner's Representative justified gother the terms of the Agreement and if these comments do not constitute a Change Order, then the Project Coordinator shall resultant the modified construction plans and detailed drawings incorporating the comments of the Owner's Representative that do not constitute Change Orders within ten (10) catendar days after receipt of comments from the Owner's Representative. In such case, the Owner's Representative shell provide his



written approved or comments as along as practicable, and in any event within five (5) Business Days of his receipt of the modified plans or drawings.

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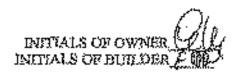
- Once construction plans and detailed drawings have been reviewed by the Owner's Representative they most be submitted to and approved by the Classification Successy before orders are placed or work is communed that relates to such places and drawings. If the Eudlier proceeds with the purchase of materials or the performance of work prior to approvat by the Classification Society, it does so at its own tisk and earense.
- The Owner is responsible for the fees and costs of the Navai Architect, Interior Designer, Marine Engineer, Jan Greeves, and any other third parties specifically engaged by Owner in connection with the propagation of the Plans and Specifications, and any modifications thereto.

Section 9.2. Equipment

- The Plans and Specifications and Equipment List may designate specific buinds and models for certain Equipment, and for some Equipment may indicate that the Builder may substitute something "equal" or "better", with the approval of the Owner's Representative. If the Builder proposes to substitute samething as "equal" or "better" Equipment, it must provide the Owner's Representative a written proposal with full information, including without limitation, the weight, life cycle, performance uniteria and cost differentiely for the proposed substitution, unless the Owner or Owner's Representative approves in writing any such proposed substitution without requiring a fall written proposal,
- The Equipment incorporated in the Vessel must be that specified in the Specifications or in the Equipment List, or "equal" or "better" Equipment where permitted by the Specification or Equipment List and approved in writing by the Owner or Owser's Representative.
- The Owner's Regresentative shall provide his approval or comments on any proposed substitute Equipment within five (5) Business Days of receipt of the proposel from the Project Coordinator.

ARTICLE 10. CONTRACT PRICE

The lettled Contract Prior is the sum of Twenty-seven Million Ninety-four Thousand Four Hundred Ninety-eight and po/100 Dollars (\$27,094,498,00), inclusive of all adjustments agreed prior to contract signing as set forth on Geraini Contract Price Suramary (Finel), attacked heroto as Exhibit P. The Contract Price is based on the most receptly updated Specifications and Plans as of the contract signing, copies of which are attached hereto as Exhibits A and B, respectively. The Contract Price is subject to adjustment (i) for Cost Allowance items that, in the apprepare, are more or less than the Cost Allowance, (ii) for Change Orders as provided in ARTICLE 11, (iii) for any

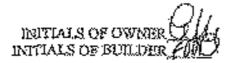


liquidated damages as provided in Section 19.2., (iv) for any bonuses as provided in ARTICLE 17 h) or Section 19.3, and (v) for any trainformance due the Builder parament to ARTICLE 10 f) in respect of incremental cost increases from vendors resulting from delay in finalizing the Plans or Specifications for which delay the Owner is held responsible. The final Contract Price shall be the initial Contract Price plus or minus the net price adjustment for all Cost Allowence Heins in the aggregate, and for Change Orders under ARTICLE 11, plus or minus the net price adjustment(s) for any liquidated damages and/or because under ARTICLE 19 or ARTICLE 17 h) and/or ARTICLE 17 b), and plus any reimbursement due the Builder pursuant to ARTICLE 10 ft.

- b) The Contract Price includes the Cost Allowance for the Cost Allowance Items set forth in Exhibit K and forther detailed in the Plans and Specifications and/or Equipment List. As part of the Contract Price, the Builder is to cooperate with the Owner and Suppliers in purchasing, mathefacturing, and/or installing Cost Allowance Items approved by the Owner as provided for in the Specifications or Equipment List.
- v) For purposes of identifying and controlling the amount that may be allocated or counted toward the Cost Allowance, it is ogreed that only the following amounts may be allocated or counted toward the Cost Allowance Items individually, and toward the Cost Allowance in the appreciate:
 - (i) The net wholesale delivered cost (i.e. wholesale cost net of all discounts, allowances or profit, plus treasport insurance, plus freight) of Cost Allowance items obtained from Suppliers, or of materials specifically and exclusively for the manufacturing of such items by Builder;
 - (ii) The net whelesule costs of all work on Cost Allowance home performed by Subcontractors:
 - (iii) A markup for overhead and profit allowance of 12.5% on the art wholesale delivered cost to Builder of Cost Allowance Rems or materials for each items obtained from Suppliers;
 - (iv) A markup for overhead and profit allowance of 10 % on the net wholesale cost to Builder of work on Cost Allowance Items performed by Subcoatactors, except in the case of the interior joinery package, for which an overhead and profit allowance of 10% will be allowed only within the amount of the Cost Allowance allocated to that Cost Allowance Rom, and only a 5% overhead and profit allowance will be allowed on costs in casess of that allocated amount:
 - (v) Charges at the following rates for labor performed by Huilder's craphytees on Cost Allowance Rams, which are <u>icclusive</u> of overhead and profit allowance:
 - A. Engineering labor by qualified engineers —

infitats of owner (Infitals of builder (

- (A) During 2005, \$70/hour;
- (B) During 2006, \$73/hour.
- (C) During 2007, and any time thereafter, \$75/hour.
- B. Profuction Isbor
 - (D) During 2005, \$55/hour;
 - (B) Dering 2006, \$57/hour.
 - (P) During 2007 and at any time theseafter, \$59/hour; and
- (vi) The setual intresse in premiums, if any, for Builder's Risks Insurance directly resulting from increased value of the Vessel, above the initial Contract Price, due to excess cost on the Cost Allowance Resus in the aggregate.
- d) If the total amount counted toward the aggregate of all Cost Allowance Items is less than the Cost Allowance, the fluider shall recognize a credit reducing the Contract Price for the difference. Conversely, if the total amount counted toward all Cost Allowance Berns exceeds the Cost Allowance, the Owner shall pay the Bullier the difference as an increase to the Contract Price.
- e) It is the intention of the Owner to avoid or minimize, to the greatest extent fawfully possible, the imposition of state sales or use or other taxes with respect to the Vessel, which may involve delivery of the Vessel in a location or jurisdiction outside of Connecticut. The Builder shall use its best effects to cooperate with the Owner to that end, but only to the extent paralised by applicable laws and regulations, and shall provide the Owner with all such documentation as may be needed from the Builder to again the Owner in establishing exemption from such sales or use or other taxes.
- fy Builder has developed the Contract Price based on cost indimination provided by reliable vendors and subcontractors at the time of Builder's response to the Owner's RPP. Should Builder be unable to place an order with any vendor for materials or services due solely to a delay caused by the Owner, Neval Architect, Interior Designer, Ian Greeves, or Marine Bugineer in finalizing Plans or Specifications subsequent to the execution of this Agreement, and such delay directly resulted in an increase in the price of such service or material due to either intervening vendor price increases or changes in currency foreign exchange rates, then, <u>movided</u> the Builder did not contribute in any way to such delay, the Builder shall have the right to be reimbursed by the Owner for the incremental costs incurred for such materials or services as a result of such delay. The Builder must provide reasonable documentation proving any alleged delay prevented a timely order at the original price, that the delay directly resulted in a price increase, and the incremental amount of the price increase. Builder shall use reasonable efforts to miximize price take by services U.S. dellar decominated pricing and by

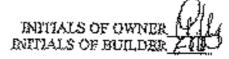


vaning product whom to minimize risk of vender price increases, which may increase submitting purchase orders or advance deposits to vendors to guaranty pricing.

The Contract Price is inclusive of all taxes (other than sales (ax, if any, which shall be busic by the Owner), fees, charges, levies and other defies for which the Builder is responsible as provided in ARTICLE 23 that may be imposed on the Vessel and her components prior to delivery of the Vessel to the Owner pursuant to signific, by the parties hereto, of the Protocol of Delivery and Acceptance (Exhibit D)

article 11. Change orders

- The Owner and the Owner's Representative, subject to the limitations set forth in ARTICLE 4, may after consultation with the Project Coordinates respect modifications to the Plans and/or Specifications by submitting a Request for Change Order in the form of Exhibit C.
- The Builder may propose a Change Order under the circumstances **9**) contemplated in ARTICLE 7 d), or if the Builder proposes changes that would improve the Vessel or lower its cost.
- Each Request for Change Order may include proposed additions and/or deletions and/or modification to the Plans and/or Specifications. Change Orders may be requested at any time up to the delivery of the Vessel.
- ₫}. The Owner or the Owner's Representative shall not order say Change Order waca:
 - the Change Order would have adverse consequences on or impair the safety of the Vessel;
 - the Chango Order may preclude the classification of the Vessel by the Classification Society, or the registration of the Vesnet by the Plan State; or
 - the Change Order would have adverse consequences on parts of the Versel already built and impossible to modify.
- All Change Orders shall be commenced through submission of a Request for Change Order Form, which is attached hereto as Exhibit C.
- As soon as reasonably possible but at the breat within ten (10) Business Days after receipt of the Respect for Change Order from the Owner's Representative in . accordance with this ARTICLE the Project Coordinator shall submit to the Owner's Representative a written quotation signed on behalf of the Builder that;
 - specifies the amount of any increase or decrease in the Contract Price that would result from the proposed Change Order, in the pricing of which the Project Coordinator shall allow for labor and spaterials and markup for overhead and



profit allowance in the same manner as not forth in ARTRILE 10 c) with respect to Cost Allowagoe Rents:

- provides a detailed breakdown and comparison of the pricing of the materials and labor that would be involved in effecting the proposed Change Order with the pricing of the renteries and labor that would be involved in performing the contemporating work as originally contemplated, that is, if the pronosesi Change Order were not offected.
- specifies the amount of delay or acceleration, if any, to the Delivery Date (iii)that would result from the proposed Change Order, and the revised Delivery Date:
- specifies the extent, if any, to which weight or sound, or vibration suggestions would be affected by the proposed Change Order;
- specifies any other changes to the Agreement or the Plans and Specifications that would be required to implement the proposed Change Onless and
- provides the Builder's selvice regarding the positive or negative impact the proposed Change Order may have on the Vessel or its characteristics.

The Builder's cost to prepare, raigineer, and estimate the quotation in response to a Request for Change Order submitted by the Owner or Owner's Representative aball be deamed included in the quotation. If the Owner withdraws the Request for Change Order, however, the Builder reserves the right to charge such costs to the Owner.

- Within seven (7) calendar days of receiving the Project Courdinator's anotation. the Owner or Owner's Representative (subject to the limitations of ARTICLE 4 d)) stall:
 - , अगाध्य इती क्यू हो राजा १५७२२६ (i)
 - negotiate further with the Project Containator, or (iii)
 - reject the quotation and withdraw the Request for Change Ordse. fiiii
- Upon the execution of a Change Order by both the Builder or the Project Coordinator (subject to the limitations of ARTICLE 5 c)) and the Owner or the Owner's Representative (subject to the limitations of ARTICLE 4 d)), the Plens and Specifications, the Contract Price, the Delivery Date, the Vessel characteristics, or other affected provision of this Agreement shall be deemed asonified or amended to the extent, but only to the extent, specified in the signed Change Order.
- The Owner shall not be obligated to pay for any Change Order and signed and approved in writing by the Owner, or by the Owner's Representative (subject to the

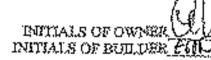
limitations of ARTICLE 4 d)), and by the Builder or the Project Coordinator (subject to the limitations of ARTICLE 5 d)).

- i) Any Charge Orders made and agreed upon and signed by the Owner and Builder shall be paid for by the Owner, insufer as the Change Order would cause an increase in the Contract Price, fifty percent (50%) at the time the next occurring Milestone Payment is due and fifty percent (50%) at the time of the Milestone Payment next occurring after the completion of the work covered by the Change Order. If a Change Order represents a savings in cost, such adjustment shall be credited to the Owner fifty percent (50%) at the time the next occurring Milestone Payment is the and fifty percent (50%) at the time of the Milestone Payment next occurring after the work represented by such Change Order was originally scheduled to be completed according to the Construction Schedule, or is actually completed, whichever in earlier.
- b) In the absence of a mutually satisfactory egrecomest as to a Request for Change Order, a dispute stay be referred for resolution in accordance with ARTICLE 27.
- 1) During the time that a Request for a Change Order is prending, the Builder shall be cutified to continue construction in accordance with the existing Plans and Specifications, until such time as the dispute is resolved or the Change Order in fully executed by both parties.
- in) Owner shall not be responsible for any cost increase of any kinit unless (i) a corresponding Change Order has been fully executed by the Builder or by the Project Coordinator (subject in the limitations of ARTICLE 5 a)) and by the Owner or by the Owner's Representative (subject to the limitations of ARTICLE 4 d)), or (ii) the Builder is entitled to reimbursement pursuant to ARTICLE 10 f) for incremental cost increases from readors resulting from delay in finalizing the Plane or Specifications for which delay the Owner is held responsible.

ARTICLE 12. CONDITIONS AND TERMS OF PAYMENT

Section 12.1. Warranty Guarantes Account

a) As security for the Isulider's obligations under this Agreement, isolading its post-delivery warranty obligations under ARTICLE 19, the parties agree that there shall be established a "Warranty Guarantee Account", which shall be a suparate interest bearing escrew account to be maintained by the Owner's counsel, Holland & Knight LLP, as Bearow Agout, pursuant to the Escrew Agreement in the form of Exhibit A. The Owner shall be entitled to pay to the Pacrow Agent, rather than directly to the Builder, a holdback portion equal to two percent (2%) of each "Milestone Payment" due under Section 13.2, to be deposited into the Warranty Guarantee Account, until the account balance reaches a cap of Four Hundred Thomand Dollars (\$400,000.00). The Builder's right to receive the funds held in such account is conditioned upon the performance by the Builder of all of its obligations under this Agreement.



- The Owner shall be entitled to claim against and recover from the Warranty Characty Account any amounts the Owner is entitled to recover in the event of a default by the Builder that results is a termination of this Agreement by the Owner pursuant to ARTICLE 21. Alternatively, observe such a termination, the Owner shall be entitled to claim against and recover from such account any amounts the Owner is entitled to recover in the event of default by the Builder of any of its obligations with respect to Construction and delivery of the Vessel in conformance with this Agreement, including any warranty obligations makes Section 19.1 and any Equipment demages under Section 19.2.
- c) During the Warranty Period the Owner shall be entitled to submit a claim or chims against the Warranty Guarantee Account for all such amounts the Owner is entitled to recover in the event of default by the Builder of its post-delivery warranty obligations with respect to the Veneci. <u>Subject elugive</u> to the limitations of Section 12.1 d), Section 12.1 c), and Section 12.1 f) below, the Builder shall be entitled to submit a claim or claims against the Warranty Guarantee Account for reimburgement of the Builder's direct out of pocket costs iscurred in performing its post-delivery warranty obligations made: Section 19.1.
- Six months after the date of delivery of the Vessel, the Builder shall be entitled to a disbuttement from the Warretty Guarantee Account in a net amount, if say, calculated as follows: one-third (1/3) of the balance that was in the Warrauty Guarantee Account immediately after delivery of the Vessel to the Owner, mings (i) any amounts that may hape been disbutest from such account to either the Owner or the Builder within the six month period on account of warranty or liquidated duringes claims made by the Owner, and (ii) the value of any warranty claims or liquidated damages claims that have been asserted by the Owner, in good faith, prior to or during the six atomit period but which have not yet been paid, either because they have not yet been agreed by the Builder or because they have not yet been resolved pursuant to ARTICLE 27 and paid. If the amount calculated is the manner described above is not a positive number, then no dishurpement shall be made to the Builder.
- e) Twelve months after the date of delivery of the Vessel, the Builder shall be entitled to a dishameteent from the Warranty Guarantee Account in a set amount, if any, calculated as follows: two-thirds (2/3) of the balence that was in the Warranty Guarantee Account instructionally after delivery of the Vessel to the Owner, using (i) any amounts that may have been dishamed from such account to either the Owner or the Builder within the twelve month period on account of warrenty or liquidated damages claims made by the Owner, (ii) any amount that may previously have been dishamed to the Builder pursuant to Section 12.1 d) above, and (iii) the value of any warranty claims or liquidated damages claims that have been asserted by the Owner, in good faith, prior to or during the twelve month period but which have not yet been paid, either because they have not yet been agreed by the Builder or because they have not yet been agreed by the Builder or because they have not yet been resolved pursuant to ARTICLE 27 and paid. If the amount calculated in the

detials of owner (initials of builder <u>F</u> Document 10-3

- In order that there shall transin partial appealty for may warranty claims tival may ŧ¥. erise late in the warranty form, the Builder shall in no case be entitled, print to the expiration of the Warranty Period, to any payment for relighersement purposent to Section 12.1 c) or to any disbussement pursuant to Section 12.1 d) or Section 12.1 c) above if and to the extent that any such reimburstment or disbursusment would result in the aggregate amount of all payments first have been made from, plus all approsolved claims assected in good faith against, the Wayranty Cuarantee Account executing a limit of two-thirds (2/3) of the original balance that was in the Warranty Contrastee Account immediately after delivery of the Vessel to the Owner.
- When all timely clustes against the Wagnuty Guarantee Account made by the Owner have been resolved either by agreement with the Builder or pursuent to ARTICLE 27, or if there shall be no outstanding claims against the Warranty Guarantse Account at the termination of the Warranty Pexiod, may remaining behance of the Warranty Goerantee Account shall be payable over to the Builder.

Scetiou 12.2 . Payments

- The Owner shall pay the Contract Price of Twenty-goven Million Manty-four Thousand Poss Hundred Ninety-cight and no/100 Dollars (\$27,094,498.00) in the installments described below (each installment after the Deposit referred to us a "Milestone Paymont", and if telerring to more than one, "Milestone Paymonte"), the amount of each of the Milestone Payments being divided and payable 98% to the Builder and 2% to the Econom Agral, the latter approxis to be deposited in the Warmony Guarantee Account as provided in Section 12.1, until the calance in the Wagazay Guarantee Account shall reach Four Hundred Thousand Dellars (\$400,000,00). Thereafter, 100% of each Milestons Paymenn shull be payable to the Rudder. The Deposit and Milestone Payments shall be payable at the following times:
 - The initial installment in the amount of five percent (5%) of the initial Contract Price (the "Deposit"), towards which shall be counted the \$500,000,00 deposit paid by the Owner to the Builder pursuant to the Letter of Intent dated February 17, 2005, is payable on the Effective Date of this Agreement, provided the Owner has first received Builder's Invoice and the Escapa Agreement has first been fully executed by Builder, Owner, and Bassow Agent. No portion of the Deposit shall be paid to the Escrow Agent.
 - Subject to all of the conditions and limitations set forth elsewhere within. Section 12.2, the installments constituting Milestone Payments 02 - 22 as described below, plus or minus any adjustments to be recognized parament to the terms of this Agreement, shall be paid upon the achievement of the respective reflectiones in the Construction of the Vessel as described below for each such Milestone Payment:

INITIALS OF OWNE BUTTALS OF BOULDER

Initial Contract

Gemini Installment Payments:

PISE# \$ 27,084,498

Payment No. / Milastone Descriptions	Anticipated Ogles	Payment %	Payment value
01-The Deposit, upon contact signing (with a creating to se recognized for the \$500,000 Deposit yells pursuent to the teder of intent).	Jun-05	5.8%	\$1,354,725
(2)-cosymence ordering of region equipment forms and packages	Jul-08		\$1,896 <u>,61</u> 5
03- joinery supporting algored	\$69-05	4.6%	\$1,083,780
64-start gutiling alignings	Oct-08	4.9%	\$1,085,789
05-bull units 21 p/s metal structure completed	Dec-85	5.0%	\$1,354,725
गुठेने१पर्व स्कृतिह स् <u>1 क्रांड अस्त्रत्वा जान्यवराज्य comहर्द्</u> रद्वते	Fob-08	5,0%	\$1,364,725
67-नावह धारहेड 31 p/s हमलोडां अध्ययकाम ट्रांक्क्वालांस्ट्	May-06	5.0%	\$1,354,725
্টেট্ট কুলা! units 32 হৰ্ণহ motel হলেওটেছে হলেকটান্তাৰৰ	Jun-86		\$1,354,725
Optiuli unite 11 pis metal elaudure cusopletes	141.06	5.0%	\$1,254,725
164huន្ទី រូក្សន្ទីន 51p/e motal នក្សរថយាខ ឧបភាជនដល់	Aug-8£	5.0%	<u>\$1,354,725</u>
ह १-७% मधा संदर्ध मेक्नांड आहम्ब्र हत्त्रपद्यपत्व विद्वरद्	\$60-08	5,0%	\$1,354,725
१३-इम्प्रकेषक हूं प्रकानसम्बद्ध massited on foundations	901-06	3.0%	31,354,725
(3-pew (etc) stars (hanatala trionated on	Nov-86	5,9%	\$1,354,728
14 halpsalon of thermal bayletton complete	D0c-98	<u></u>	\$1,683,180
15-claw area raugh in temperary complete	Jnn-87	4,5%	\$1,219,552
16-Sea Wayer I Fresh Water I First Oil major piping (Imivent) is a tolical	Feb-07	4.5%	\$1,210,052
17-huil falthig and first primer top cost 500/900	Mar-07	4.5%	\$1,239,282
1മ്രട്ടരം Water / Fresh Water / Fuel Os നല്യാ വുള്ള ഡരെ hydro teated	Apr-07	4,5%	\$1,219, <u>25</u> 2
19 Jower 16 eli diafriculton garrels	May-07	4.0%	\$1,083,780
20-exterior balk decking instellation complete	Aug-07	4. 0%	\$1.083,750
21-85unch	Sep-07	2,596	5677,382
22-deligners	Nov-87	2.5k	\$637 <u>353</u>

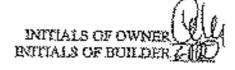
- (iii) The final installment, payable upon the signing of the Protocol of Delivery and Acceptance (the "Delivery Payment"), shall be an amount equal to two and one-ball percent (2.5%) of the initial Connact Price, plus or mines any edjustments for the unpaid or uncredited pertions of (i) Cost Allowance Rems that, in the aggregate, are more or less than the Cost Allowance, (ii) Change Orders as provided in ARTICLE II, (iii) any liquidated damages as provided in Section 19.2, (iv) any boneses as provided in ARTICLE (7 h) section in Section 19.3, and (v) any amounts that are due to the Builder under ARTICLE 10 f). The amount of the Delivery Payment shall also be subject to reduction for any amount the Owner is entitled to withhold pursuant to ARTICLE (7 c) with respect to "punch list" items.
- Notwithstanding the Milestone Payment provisions of Section 12.2 a), however, unless otherwise motually agreed the Owner shall in no case be obligated to pay any Milestone Payment curiet than during the calender month that precedes the month of the Articipated Date of payment reflected above with respect to the particular Milestone Payment. (By way of example, if the Articipated Date for a particular Milestone Payment were May 2006, the Owner would not be obligated to pay such Milestone Payment at any time prior to April 1, 2006, even though the work covered by that Milestone Payment might be completed before that (inte.)
- c) After the payment of the Deposit, Milestone Payments (subject to any adjustments to be recognized pursuant to the terms of this Agreement) will be due live (5) Business Days after the Owner has received the Builder's Invoice and the corresponding Milestone Certificate in the form of Exhibit 1, in each case signed by (i) the Builder or the Project Countinator and (ii) the Owner or the Owner's Representative, and at least every other Milestone Certificate also signed by the Marine Engineer and the Classification Surveyor. Each Invoice for Milestone Physicants shall identify the related Milestone completed, and shall also detail any payments or credits the specifically with respect to Change Orders or Cost Allowance Items, and any other proper charges or credits.
- d) If the Owner in good faith disputes any portion of any Invoice and the Owner and Builder are not able to unicably resolve the dispute by the date payment is otherwise due on the Invoice, the Owner shall be entitled to deposit the anount of the disputed portion with the Escrow Agent. The Escrow Agent whall hold the disputed portion in an interest bearing ascrew account until either the Owner and Builder have unicably resolved the dispute, or the dispute has been resolved pursuant to ARTICLE 27. Any of such disputed amounts to which the Builder is determined in be exhibed shall be disbursoit 98% to the Builder and 2% to the Warranty Guarantee Account (subject to the \$400,000,00 cap), as provided in Section 12.2 a). Account interest on the disputed funds shall be disburred to the party or parties determined to be entitled to a distribution of the escrowed funds, proportionately according to their respective distributions.

- e) Subject to the Owner's rights under Section 12.2 d), if the Owner field to make a payment identified in Section 12.2 a) within thirty (30) days after such payment is the payment identified in Section 12.2 a) within thirty (30) days after such payment at the interest shell thereafter begin to accuse on the unpaid portion of such payment at the Default Rats. In the event the Owner is definquent in payments aggregating at least One Hundred Thousand Dollars (\$100,000.00) for more than thirty (30) days, then the Duilder shall be permitted, upon notice to the Owner, to suspend or seaso all work on the Vessel until the Owner has paid all amounts from owing, in which case the Delivery Date may be extended as and to the extent provided in Section 13.2 c).
- f) All payments to the Builder are to be made in United States Dullars immediately available at the Builder's necessari specified as the Payment Location. Expenses for remitting payments and any other expenses connected with such payments shall be for the account of the Owner.
- g) The making of Milestone Payments and/or payments with respect to Change Orders shall in no way imply acceptance of the work performed on the Vessel, or acceptance of the Vessel.
- i) Owner's payment obligations are subject always to the Owner's termination rights under this Agreement.

ARTICLE 13. COMMENCEMENT AND DELAY

Section 13.1. Commencement

- 4) The obligations of the parties under this Agreement shall camerance upon, and we conditioned upon the happening of, the following events:
 - the Agreement has become affective pursuant to ARTICLE 30;
 - (ii) the Owner has appointed the Owner's Representative pursuant to ARTICLE 4 a);
 - (iii) the Builder has appointed the Project Countinator pursuant to ARTICLE 5.
 a);
 - (iv) the Pstrow Agreement has been executed by the parties and the Escrew.
 Agest paramete to Section 12,1; and
 - (v) the Owner has tendered the Deposit pursuant to Section 12.2 a)(j).
- b) The Commencement Date shall be the date on which all the events specified in Section 13.1 a) have been falfilled. Upon such falfillment, the Commencement Date shall be identified and stated in a written document signed by the Owner's Representative and the Project Coordinator.



If the Commencement Date those not occur within thirty (30) days after the Riffective Date of this Agreement, then a party that has timely satisfied all of the conditions for which it is responsible under Section 13.1 a) shall have the aption to terminate flils Agrossion; by giving written notice to the comperforming party.

Bection 13.2 . Time For Completion

- Subject to the terms of this Agreement, the Builder is obligated to complete and desiver the Vessel by the Delivery Date as defined herein.
- The Builder shall andy be autitled to extension of the Delivery Dage to the extent set forth in any Change Order(s) signed by both parites, and/or to the extent agreed pursuant to Section 13.2 c) - Section 13.2 c) below, or to the extent determined in accordance with ARTICLE 27.
- **8**) If the Builder considers that any of the following overion
 - (i) any Force Majeure event, or
 - any delay, impediasent, or prevention resulting from the acts or omissions of the Owner, Owner's Representative, Navni Architect, Interior Designer, Marke Engineer, Isa Greeves, or my third parties specifically engaged by Owner, including, without limitation, delays in the delivery of Owner Supplied Danis of its the payment of Milestone Payments, or
 - the late delivery to the Builder of contract-required machinery, equipment and supplies to be incurporated in the Vessel where Builder proves that Huilder's contractive for such machinery, equipment and supplies was reasonable and product and undertaken in planty of time in advence of the need, that the into delivery did not result from late payment or nonpayment by Builder or firm a vendor's refusal of credit in Builder, that Builder has accreised due diligence and its best afforts in the performance of any nots required of Builder, and that Builder has exercised due diligence and his best efforts in expediting deliveries under Builder's perchase consess or in section equivalent substitute performance;

are such as to delay or materially impede the construction of the Vessel and thus entitle the Builder to extension of the Delivery Date, the Builder shall deliver to the Owner's Representative, within fifteen (15) Business Days after the occurrence of the relevant event, a notice supported by full and detailed particulars in justification of a claim for a specified extension of the Delivery Date. Failure by the Beilder to timely deliver a claim. for extension of the Delivery Pate based on the occurrence of any particular event shall preclude the Builder from later claiming any delay or extension relating to that event,

The Owner's Representative shall, lit his remonable judgment, approve, reject, or comment on way timely, fully detailed cleim for extension in writing within ten (19) Business Days after receipt of the notice and full particulary.

> INITIALS OF OWNER INITIALS OF BUILDS

- if the claim for extension of time is agreed in writing by the Owner or Owner's Representative, the Delivery Date shall be extended accordingly.
- f) If the Owner or Owner's Representative and the Project Coordinator cannot agree as to any claimed extension of the Delivery Date within ten (10) Business Days after the submitted of the response of the Owner's Representative to the Project Countinator's thain for extension of time made pursuant to Bection 13.2 c), the dispute may be referred for revolution in secondance with ARTICLE 27.
- g) In the event of any dispute, the imitter shell continue the construction of the Versel during the pendency of any claim for an extension of the Delivery Date or during the pendency of any arbitration proceeding.

ARTICLE 14. (DRLETED)

ARTICLE 15. LAUNCHING

The Builder shall give the Owner's Representative fourteen (14) calcular days autice of any launching of the Vessel. The notice shall specify the location, date and time of the launching.

ARTICLE 16. DOCK TRIALS, SEA TRIALS, AND ACCEPTANCE

- a) A Trials Committee shall be established by the Owner and the Builder. The Trials Committee will consist at:
 - the Project Coordinator,
 - (ii) the Owser's Regresoriative,
 - (iii) the Maxine Engineer;
 - (iv) the Navel Architect.
 - (v) the Cannification Surveyor,
 - (vi) a sound and vibration sugment to be nominated by the Owner, and
 - (vii) a marine surveyor to be nominated by Denter.
- b) The Trials Compaisne shall attend the duck and sea trials of the Vessel on board to witness the performance of the Vessel and to assess the conformity of the Vessel with this Agreement.
- c) The Sea Triais shall be conducted by the Builder in accordance with the guidelines, testing and trials programs set out in the Specifications. The Builder shall

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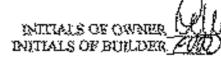
provide at its own cost all necessary crew, consumables and equipment for the safe operation and mayigation of the Vessel during the Sea Trials.

- The Builder shall give the Owner and the Triels Committee at least twenty-one (21) calendar days written notice of the anticipated date, commencement time, and place of the See Trials of the Vessel. The Builder will provide a five (5) calendar day notice confirming the ectual data, commencement time, and place of the Sea Trials of the Vessel.
- In the event of feiture of all or any of the Trials Committee to be present at the Sea Trisis of the Vessel after due notice to the Owner has been given, the Owner shall ha descred to have waived its rights to have any missing Triefs Committee member on hourd the Vessel at the See Triple and the Builder rapy conduct the See Triple without the missing Trisis Committee member(s) (as the case may be) being present, unless if for special reasons or 'Perce Majeure' members were prevented from attending in which case the Builder shall cooperate in the best possible way to make their purficipation possible, The finegoing provisions of this ARTICLE 16 e) notwithstanding, however, the Owner may elect to postpour the Sea Trials if certain members of the Trials Committee whose presence is required by the Owner are not on board. In that case, however, the Brilder shall be entitled to a corresponding extension of the Delivery Date if the Sea Trials are delayed due to the inability of a member of the Trials Committee, whose presence is required by the Owner, to attend the Sea Trials when oxiginally acteduled.
- Within five (5) Buxiness Days after the end of the Sea Trials of the Vessel, the Project Countinutor shall present to the Owner's Representative a trials report stating the parformance of the Vessal during the See Trials and the extent of the conformity of the Vescoi with this Agreement, including the applicable Rules and Regulations of the Classification Society and the Flag State. The Owner's Representative shall provide his approved or comments, in his reasonable judgment, within five (5) Business Days after Actual receipt of the report from the Builder.
- If the Owner's Representative comments on the report are justified, in accordance with this Agreement, the Builder shall make the accessory corrections and serium sew Sea Trials as provided in the Specifications.
- If the Project Countinator contends that the comments of the Owner's Representative on the sea tripl report are enjustified, in accordance with this Agreement, the Project Coordinator and the Owner's Representative shall meet to assumpt to resolve the differences, failing which the dispute shall be referred for resolution in accordance with ARTICLE 27.
- Upon satisfactory conclusion of the Sea Trials, as acknowledged by the Owner's Representative or confirmed in accordance with ARTICLE 27, the Owner's Representative shall execute and deliver to the Builder an acceptance confidence acknowledging that the Builder has fulfilled all of its obligations with regard to the

Construction of the Vessel and accordingly, that the delivery can proceed. If the Sea Triobs reveal material defects or deficiencies with the Vessel, however, that he Builder is unable or refuses to runedy within aimsty (90) days after the end of the Sea Triobs, the Owner shall have the right to terminate this Agreement and proceed according to ARTICLE 21.

ARTICLE 17. DELIVERY

- a) The Project Coordinator shall give at least test (10) days' written notice to the Owner's Representative of the proposed date of delivery of the Vessel.
- b) The Vessel shall be delivered to the Owner by the Builder safely affect at a location designated by the Owner within 150 miles of Builder' Shippard, all delivery expenses as a result of delivering the Vessel in a location offer than the Builder's Shippard being paid by the Owner.
- c) Upon delivery the Owner will be obliged to accept the Vessel and pay the outstanding balance of the Contract Price, provided the Ruilder has supplied the Owner with all of the documents and other iterate listed on Exhibit O.
- d) After all documents required under ARTICLE 17 c) have been tendered and accepted by Owner, Builder may request that Owner execute the Protocol of Delivery and Acceptance and take possession of the Vessel, even though some resteally agreed upon minor "passed list" items remain to be finished or corrected which items, if not finished or corrected at the time of delivery and acceptance, whild technically prevent the Builder from tendering the Vessel for delivery and acceptance. In this event Hailder shall propose in the Owner a schedule of when, where and how these minor "punch list" items should be dealt with, together with a good faith estimate of the cost to complete such items, which amount the Owner could withhold from the final Delivery Payment possing convenies of such items. The Owner may, at its vols discretion and for any reason, including faiture to agree on an appropriate amount to be withhold, determine whether to accept possession and delivery of the Vessel and execute a Protocol of Delivery and Acceptance subject to such a "punch list", or whether instead to insist on delivery of the Vessel is full conformance with list Agreement.
- e) In the event the Owner agrees to except delivery of the Vessei with minne "peach list" items outstanding, the Owner shall be entitled to withhold a mutually agreed and for completing or correcting all such items at one of the Builder's facilities or at some other facility agreed upon by the Builder. If the "punch list" items are later corrected by the Builder at one of the Builder's facilities, the Owner shall pay Builder the withheld amounts within ten (10) calendar days of the completion or correction of all such "ganch list" items by Builder.
- f) On the date of delivery of the Vessel, and subject to Owner's receipt of the documents described in ARTREE 17 c) shove and before taking over the Vessel, the



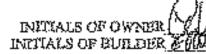
Owner will execute and deliver to the Builder the Protocol of Delivery and Acceptance, in the form of Exhibit D, which will declare that

- (i) the Owner has taken possession of the Versal in full conformity with this Agreement, (except for any exceptions, deficiencies or anticished items noted by the Owner, or otherwise agreed with the Builder, if applicable);
- (ii) the Pailter bas no further duties and responsibilities for the Vessel (except the duties imposed under the Builder's warranties of title, quality, and performance, and the duty to correct any exceptions, deficiencies or unfinished items noted by the Owner, or otherwise agreed with the Builder, if applicable); and
- (iii) the Owner has taken full responsibility for the Vessel, and assumes risk of loss of or damage to the Vessel.
- g) The Owner shall then take possession of the Vessel.
- h) If the Builder tenders delivery of the Vessel, fully completed, in the Owner on or before October 17, 2007, the Owner will pay to the Builder an early delivery bonus in the amount of \$250,000.00.

ARTICLE 18. TITLE TO THE VESSEL AND RELATED PROPERTY

Notwithstanding saything contained in this Agreement that might be countried to the centrary, insurediately on payment of the Deposit as provided for in Section 12.2 e)(i), the Vernel as it is constructed and every part thereof, and all Equipment, components, appuricuances, materials and supplies, whether wholly or partially Ensured or unifinished, from time to time appropriated to or intended for the Vessel or on order from Supplier's or Subcontractors or approved by the Owner or the Owner's Representative, and whether in the Builder's Shippard or workshops or elegwhere on or off the Builder's premises, and whether or not numbered pursuant to ARTICLE 18 d), shall become and be and remain the property of the Owner, who shall have absolute title thereto (but all such property being at the risk of the Berider until acceptance of thelivery of the completed Vessel by the Owner), notwithstanting that any of such Equipment, components, appurtenance, materials or supplies may subsequently be worked upon by the Builder or Subcontractors or otherwise processed or incorporated into the Vessel, and such property shall not be within the ownership or disposition of the Builder. The fielder shall at all times have a possessory lies or right of relession thereon for any unpaid portion of the Contract Price then actually due and payable, and for any other montes thes due and payable from the Owner to the Builder hereunder. The Builder shall issue to the Owner at the communications of Construction such letters. affidavits, or other seceptable decuments of fitte and other particulars, all in form acceptable to the Plag State so that the Versel may be registered in the Plag State as a vessel under construction, titled in the mans of the Owner.

- b) If, notwithstarding the express provision of ARTICLE 18 a), the Vessel or any of the other property described in ARTICLE 18 a) is deemed not to be the property of, and owned by, the Owner, the Builder alternatively hereby grants a recurity interest in all of such property in three of the Owner, and further grants a recurity interest in all of Builders rights in sander with respect to and/or erising from any and all deposits or partial or full payments made to Suppliers or Subcontractors relating to any such property, and in the proceeds of all of the foregoing. The Owner shall have the right to file UCC-1 Financing Statements against the Builder covering all such property without the further consent or signature of the Builder. The according interests granted hereby shall accorded of Builder's obligations to the Owner under this Agreement.
- e) Broops for UCC-1 Financing Statements in favor of Builder as provided in ARTICLE 31 d) and statetory liens in favor of Builder, no mostgages or liens or other encombrances may be registered against the Vessel by the Builder or any Substantaneous or Supplier without the prior written coasent of the Owner, and each subcontract entered into by the Builder shall so state. If the Owner wishes to obtain financing on the Vessel while under coastruction, the Builder will, if required by any loader (but without waiving its possessory lien and right of remained and UCC-1 Financing Statements for impaired amounts then actually due and payable) authordinate to such leader with respect to all amounts that have been paid to the Builder by the Owner, coaditioned however upon all amounts that are notually then due and payable by the Owner under this Agreement taving been paid.
- d) Immediately then any property described in ARTICLE 18 a) becoming or being described the property of the Owner under the provisions of this ARTICLE 18, the Builder shall conspicuously place or cause to be placed on the bow of the Vessel, or at such other appropriate place as may be required by the appropriate Flag Siste official, and also on all such other property, the Builder's ID Number 85135 for the Vessel, and without projudice to the Owner's rights hereunder, the Builder shall take all necessary stops to cause all such property to be sumbered as aforessid by itself or by its Suppliers and Subcontractors with all reasonable expedition.
- 6) The Builder shall so arrange its contractual arrangements with all of its Subcontractors and Suppliers that full effect will be given to the provisions of this ARTICLE 18 and, without limiting the foregoing, shall ensure that all such property shall be supplied on the following conditions:
 - (i) that the title to such property supplied by a Subcontractor of Supplier (whether in the course of construction or completed and whether before or after delivery to the Builder) shall vest instructionly in the Builder (and thence presented to ARTICLE 18 a), immediately in the Owner), subject only to the Subcontractor's possessory lies, if any, for any unpaid balance of the purchase price of such property; and
 - (ii)—that the Subcontractor of Supplier shall not, upon receipt by it of the purchase price for each property, be entitled, as against the Owner, to claim any



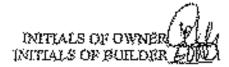
title or han thoman by resson of obligations or habilities of the Builder to the Subcontractor or Supplier in respect of any other deliveries made by the Subcontractor or Supplier to the Builder, or for any other reason.

- Possession of the Vessel shall be transferred to the Owner on the Delivery Date in accordance with the terms of this Agreement or on such other date as the Owner may be entitled to take possession of the Vessel in secondance with the terms of this Agreement.
- The Builder kereby warrants that an acceptance and delivery of the Vessel, after rectification of say deficiencies, there will not be any lieus upon or rights in the Vessel or any of its components or appartenances, either for or on account of any work done upon or about, or any accident happening apon or about, the Vessel or any of its components or appurisonances, or for or on account of any other cause or thing or any claim or demand of any kind whatsoever, other than by reason of non-payment of any amount due the Builder by the Owner horounder, or non-payment of any amount quest by the Owner to its suppliers in respect of any Owner Supplied Rems of to any persons epocletically organized by the Owner. If the Builder fails to remove a lion, change or concembrance, or fails to establish a bond or other accurity for the same that in sefisfactory to the Owner, then the Owner may, but is not obligated to, satisfy the same and deduct the amount thereof, together with any expenses incurred in connection forewith, from the amount of any remaining payment due to the Builder. If the remaining amounts due to the Builder are insufficient to permit the deduction of the entire cost and expense incurred by Owner, Builder shall be liable to Owner for me deficiency and will may same to Owner aron demand.
- b) All plans, specifications, working disorings, technical descriptions, culculations, test results and other data, and all other such information and decorrectly concerning the design, enginearing and construction of the Vessel shall at all times be the property of the Owner or Naval Architect or Interior Designer or Marine Engineer (as may be determined pursuant to the agreements between the Owner and each of them. respectively), and the Builder shall deliver all such items in its possession to the Owner at the time of delivery and acceptance of the Vessel. The Builder shall not bring such items to the knowledge of third parties without the Owner's written consent.
- The Vessel as it is constructed (whether wholly or partly finished or unfinished) and all Equipment, components, appertenences, materials and supplies appropriated, or intended to be appropriated, to the Vessel whether in the Builder's Shippard or sizewhere in the control of the Builder or its Subcontractors shall from the Effective. Date of this Agreement be and resigning at the risk of the Builder until the Vessel is delivered to and accepted by the Owner. Upon acceptance of delivery of the Vessel by the Owner, risk of less of or damage to the Vessel shall be transferred to the Owner, and thursefter all responsibilities on the part of the Builder utall course with the exception of any agreed upon outstanding items, and the warranties of title, quality and performance provided in this Agreement.

ARTICLE 19. WARRANTIES

Section 19.1 Was runtles as to Quality

- Unless otherwise agreed pursuant to ARTICLE 17 d), the Builder will repair or replace all defects in the Vessel brought to Builder's attention by Owner prior to the infine definery and acceptance of the Vessel persuant to ARTICLE 17.
- Builder, for the duration of the Warranty Period, will repair or replace any defects in protectals (other than Owner Supplied Resss) or workingstable that are not in conformity with the Plans. Specifications and Standards and that are discovered on the Vessel within the eighteen (38) month-period following the date on which the Owner executes the Protocol of Delivery and Acceptance of the Vessel (the "Warranty Perfor"), and further warrants that all labor funcished by Builder hereunder shall have been performed in a good and worksomilike measure and in conformity with the Plans, Specifications and Standards, and that all materials furnished by Builder hereunder and asade a part of the Vesaci are iten of defects, and Bailder forther guarantees the Vesacl against defects of any kind whatsoever in workmanship and/or materials (exchaing Owner Supplied Items, but including Builder's or its Subcommeters' assembly or installation thereoff duries the Warranty Pasied.
- The Owner or its duty setherized representative shall notify the Builder in ¢) -writing during the applicable Warranty Period of any defect, within fourtom (14) days of discovery thereof by Owner or an agent, employed or representative of Owner, for which a claim is made maler this ARTICLE sad the Owner's written notice shall describe the defect in reasonable details.
- If the Owner fails to potify the Builder dering the applicable time puried in accordance with Section 19.1 c), such failure will not void the warranty as to that defect, but the Builder shall have no Esbility in respect of any increased or additional damages that result from failure in so sotily the Builder.
- The Builder undertokes to neitly the Owner's captain or the Owner's counsel by e-mail of the impending expiration of the Warmon's Period at least thirty (30) days prior to the expiration of the Warmany Period.
- The Builder shall not be liable for defects in or dantages to the Vessch or its Equipment after delivery of the Vessel, except as apocified in this ARTICLE. The Builder shall not be liable for any damage to the Vensel or its Equipment caused by ordinary wear and tear, excident, negligence or willful neglect on the part of the Owner, its ecaptoyees or agenta or any other person including the Vessel's officers, crew or passengers or caused by any work or labor, alteration, addition, modification or repairs performed by any person other than the Builder or any of Builder's Subcommissions. It is hereby specifically acknowledged that workmanship and materials that are in confirmity with the Phys. Specifications and Standards shall not be deemed a defect. Any workmanship or materials that in fact prove to be delective during the Warrasty



Pedod, however, will be deemed not to have been in conformity with the Plans, Specifications and Standards.

- Buildar's warranty shall not apply to Equipment specified in the Specifications or Plans that is manufactured by someone other than Builder but shall copyly to Builder's or its Subcontractors' assembly or application or installation thereof. All warrancies of the manufacturers with respect to such Equipment (the "Manufacturers" Warranties") shell be delivered or assigned at transferred by Builder to Owner at the time of delivery of the Vessel. The Builder shall use its best afforts to ensure that the magnifecturers of such Equipment provide Manufacturers' Warranties of at least eighteen (18) munths duration from the date of delivery of the Vessel. The Builder shall request the manufacturers of such Equipment to partitle the most complete and extensive warranties they resularly offer. In the event that extended Manufacturers Warrantes are offered by manufacturers of any of the Equipment, Builder shall notify the Owner of the availability of such taxended Masselectorers' Warranties, and obtain such extended Manufactures Warranties upon the timely written request of Owner and at the sole cost and expanse of Owner. Builder will use its best efforts to assist the Owner in asserting warranty olaims under Mazufacturers Warranties, including communicating directly with the manufacturers, and facilitating appropriate warranty docurrentation and communications.
- h) If Owner shall notify Builder of a specific defect in materials or workmanship in accordance with the provisions of this Section 19.1. Builder shall be given complete access to the Vessel and to all records of Owner directly relating to the defect for the purpose of verifying the existence of the specified defect and determining Builder's obligations, If any, to repair or replace it and the appropriate remedy for such defect.
- i) The Builder shall remedy protoptly at the Builder's Shippard, or at the Builder's option, cause to be remedied at one of the Builder's affiliated shippards in Florida or in New York, or in some other location reasonably convenient to the Owner, and at the Builder's expense, any defect of the Vessel that is warranted under this ARTICLE; provided, however, that if Owner reasonably determines that it is impractical to bring the Vessel to the Builder's Shippard or to one of its affiliated shippards in Florida or New York, then Builder shall, at Builder's option: (i) cause the necessary repairs or replacements to be made at another shippard mutually agreed upon between Builder and Owner, or (ii) allow Owner a non equivalent to the cost of remedying such defect at the Builder's Shippard.
- i) Because the Vessel is contracted for delivery on or before the Delivery Date, and it would be both inconvenient to the Owner and otherwise imprectical to return the Vessel to the Builder's Shipyard during the winter manths for any necessary work, the Builder andertakes that it will arrange with a shipyard in Florida, or in some other location reasonably acceptable to the Owner, for a service visit for the Vessel, at a time convenient to the Owner within 3-6 months after delivery of the Vessel, and for a sufficient period of time, to address say not yet completed "practicist" from that were parameted by the Owner parameter ARTICLE 17, and any warranty claims that have

initials of owner 1911 Initials of builder 2011 been identified by the time of much service visit. The Builder shall be responsible for and undertakes and agrees that it will timely pay the cost of all such work.

- For the first year after delivery, the Owner plans to use the Vessel in the Curibbean, and thereafter to transit the Panagua Canal and use the Vestel in the Panific. Builder agrees to cooperate with the Owner in selecting warranty repair facilities in locations reaccountly convenient to Owner's intended University.
- Owner agmes not to assert any claim for loss of use resulting from defects covered by the Builder's wastudy, provided that helicus premetry repairs or replaces the defective workmanship on senterials, within 6. Conjugan excell, messensibility (474) of
- The Hullder shall have the right to send its own representatives, at its expense and risk to the Vessel to inspect and report on the nature and extent of defects complained of and, if thought fit, to respect them and the Owner shall provide access to the Vessel for this purpose. All travel and living expenses of such engineers and other personnel, and all expenses compacted with the acquisition of, provision of, and francourt of may materials or parts will be for the Builder's excepted and payable in advance or the Builder can meanup for the work to be carried out as Builder's expense at the nearest convenient and satable yard. The Builder will bear all reasonable expanses if it is necessary to bring the Vessel to the Builder's Shippard or to the neacest convenient and suitable yard for warmsty repairs.
- In the case of defects that reader or threaten in reader the Vessel hippereble or masonworthy or unsafe, the Bailtler shall make its inspections within ten (10) days of having been notified of such a defect by the Owner pursuant to Section 19.1 c) above. The Builder shall advise the Owner within five (5) days after examination has been completed of its acceptance or rejection of defects as being within the warranty under this ARTICLE, and any dispute shall be referred for resolution in secondance with ARTICLE 27.
- At the Owner's option, the Builder agrees, in its own cost and expense, to train the Owner's engineer and one crew member in the three month period prior to delivery for familiarization purposes with the Vessel and its systems.
- The Buildor's warranty for the Vessei does not cover only defects in the design. of the Vessel furnished by the Naval Architect.

Section 19.2 Warranties as to Characteristics and Performance

- The Builder warrants that the Vessel will echieve the following characteristics and performance:
 - At delivery the measured weight of the Vessel, determined in the condition "light abig" (as detailed in the Naval Architect's Weight Estimate: GRMINI misched hereto as Exhibit "Q") with all systems commissioned/wat (the

INITIALS OF BUILDING

"Measured Weight") shall not exceed 213.842 tons (the "Buse Guaranteed Weight"), which amount, however, shall be adjusted upward or downward by (1) the amount, if any, that the net aggregate design weight of the interior (excluding insulation) designed by the Interior Designer and approved in due course by the Owner is greater than or less than the net aggregate weight allowance for the interior (excluding insulation) specified by the Naval Architect of 18.124 meric tons (i.e., the 32 M.T. aggregate designed interior weight allowance, minus a 13.876 M.T. insulation allowance for the rough well and floor and insulation punels to be incorporated in the interior, aguils the 18.124 M.T. net averages: weight allowance for the interior, excluding the rough wall and floor and insulation panels), and (2) the aggregate not amount of any weight increases or decreases agreed pursuant to Change Orders (as so adjusted, the "Adjusted Guaranteed Weight");

- The noise levels in the Vessel as measured during the Sea Trials will not (ii)exceed those specified under Sections 14.01.01 and 14.01.02 of the Specifications; and
- The vibration levels in the Vessel as measured during the Sea Trials will not exceed those specified in Section 14.03 of the Specifications.
- The Vessel's characteristics may change us a result of Change Orders authorized under ARTICLE 11. The permissible extent of any change in the Vessel's characteristics, however, must be apositised in the document evidencing the Change Orders at the time the document is signed,
- Failure to most any of these Vessel characteristics, as modified by any signed Change Orders, shall result in Equidated damages as follows:
 - Excessive Weight: If the Measured Weight exceeds the Adjusted Guzzanteed Weight, then at the Corner's option either the Builder shall pay or the Owner may desined from the Delivery Payment, by way of liquidated damages and not as a penalty, an amount determined as follows:
 - Α. If the excess is less than 10 metric tons, no figuidated damages;
 - If the excess is at least 10 metric tons, but not screater than 15 motric tens, the figuidated damages amount shall be \$1.00,000 phus an additional \$50,000 for every full metric tonge over 10 metric tonges;
 - Ċ. If the excess is greater than 15 metric rons, the liquidated demages amount shall be \$350,000 plus an additional \$100,000 for every full metricing west 15 matricings.
 - Economics Noise: If the acise levels as measured during the Son Trials exceed the higher remainer of the two-decibel range specified in Sections 14.01.01

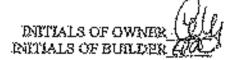
WAYNO YO STAFTYA INDIALS OF BUILDER and 14.01.02 of the Specifications for any specified zone, then at the Owner's option either the Builder thall pay at the Owner may defact from the Delivery Payment, by way of hquidsted demoges and not us a penulty, an amount determined as follows:

- A. If the excess in any specified some is less than 2 decibels, no liquidated demages for that some;
- H. If the excess in any of the specified norms is I decibele or more, then the liquidated damages amount for each of such zones in which the excess is I decibels or more shall be U.S.\$10,000 plus an additional U.S.\$10,000 the every full deviked in excess of I decibels above the openited levels in outh such specified tous.
- (iii) <u>Excessive Vitamium</u> If the respective maximum vitation levels, above 6 Mz, as measured during the Sea Trials in each of the same specified zones in which noise levels are to be measured exceed the respective maximum vitration levels specified in Section 14.03 of the Specifications, then at the Owner's option either the Builder shall pay or the Owner may deduct from the Delivery Phyment, by way of Repideral duranties and not us a penalty, an unimist determined as follows:
 - A. If the maximum virusion level, measured at the primary ship structure (transverse web fractics or longitudinal girdens) above the propollers exceeds the ISO level of 4 transfeet [RMS] with the Vessel emissing at 50% MCR output, then for each full I man/sec [RMS] above 4 may/sec [RMS], the amount of \$20,000;
 - B. If the maximum vibration level, pressured in the specified zones in the accommodation areas (tables etc. not included) asceeds 1.0 mm/sec [RMS] with the Vessel quisting at 80% MCR, in any of such specified zones, then for each full 0.5 mm/sec [RMS] above 1.0 mm/sec [RMS] measured to each such zone, the amount of \$20,000;
 - C. If the maximum vibration level, measured in the specified zones in the accommodation areas (tables etc. not included) exceeds 0.5 mm/sec [RMS] with the Vessel in accide condition in any of such specified zones, then for each full 0.25 mm/sec [RMS] shove 0.5 mm/sec [RMS] measured in each such zone, the amount of \$29,000.
- d) The Owner shall be untilled to deduct any liquidated damages specified kerein from any emounts owed to the Builder upon delivery and acceptance under the terms of this Agreement. If the amount of the liquidated damages owed by the Builder to the Owner exceeds the amount otherwise owed upon delivery of the Vessel by the Owner to the Builder under the terms of this Agreement, then the Builder abuilt pay the difference to the Owner at the time of acceptance and delivery of the Vessel.

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Section 19.3 Bonus for Performance Better than Specifications

- Secress in achieving reductions below the warranted maximum levels of any of these Vessel characteristics, as modified by any signed Change Orders, shall result in bonus payments to Builder as follows:
 - Reduced Weight: If the Measured Weight is less than the Adjusted Guaranteed Weight, then the Owner shall pay the Builder an amount determined as follows:
 - Α. If the reduction in weight is less than 10 metric tens, no bonus;
 - If the reduction in weight is at least 10 metric tens but not greater that 15 metric tons, the homes amount thall be \$100,000 plus at additional \$50,000 for every fell metric ten of weight reduction achieved over 10 मध्यक्तिय वेद्यक्त
 - If the reduction in weight is greater than 15 metric tone, the bouns amount shall be \$350,000 plus an additional \$100,000 for every full metric ton of weight reduction actioned over 15 metric teames.
 - Reduced Noise: If the noise levels as measured during the Sas Trish too less thus the lower number of the two-decided sunge specified in Sections 14.01.01 and 14.01.02 of the Specifications for any specified zone, then the Owner shall pay the Builder an amount determined as follows:
 - If the reduction in any zone is less than 2 docibels, no bones for that annes
 - If the reduction in any case or mure zones is 2 decimals or more, then the bosos amount for each such some shall be \$10,000 plus on additional \$10,000 for every full decibel in excess of 2 decibels below the specified levels in each such specified zone.
 - Reduced Vibration: If the respective maximum vibration levels, above 6 Hz, as messured during the Sea Trisis in each of the same specified zones in which noise levels are to be measured are less than the respective maximum vibration levels specified in Section 14.03 of the Specifications, then the Owner shall pay Buildar an amount determined so follows:
 - If the maximum vibration level, measured at the primary ship structure (transverse web frames or longitudinal girders) above the propellers is less than the ISO level of 4 min/sec [HMS] with the Vessel cruising at 20% MCR output, then for each full 1mm/sec (RMS) below 4 mm/sec (RMS), the amount of \$20,000;



- B. If the maximum vibration level, measured in the specified zones in the accommodation areas (tables etc. not included) is less than 1.0 mm/sec [RMS] with the Vessel cruising at 80% MCR in any of such specified zones, then for each full 0.5 mm/sec [RMS] below 1.0 mm/sec [RMS] measured in each such such zone, the amount of \$20,000;
- C. If the maximum vibration level, measured in the specified zones in the accommodation areas (tables etc. not included) is less than 0.5mm/sec [RMS] with the Vessel at anchor condition in any of such specified zones, then for each this 0.25 mm/sec [RMS] below 0.5 mm/sec [RMS] measured in each such zone, the amount of \$29,000.

Section 19.4 Security for Warranty Obligations

a) The Warranty Gussentee Account established and the Escrow Agreement executed pursuant to Section 12.1 that? partially secure the due fulfillment of Builder's warranty obligations under ARTICLE 19. The existence of the Warranty Guarantee Account shall in no way affect Builder's responsibilities and liabilities as provided for in this ARTICLE.

ARTICLE 20. DEFAULT ON THE PART OF THE OWNER

- a) The Owner shall be deemed to be in default if:
 - (i) The Owner fails to pay the Builder, or to deposit with the Escrow Agent poisosed to Section 12.2 a) or Section 12.2 d), any amounts due under fair Agreement aggregating at least One Hundred Thousand Dollars (\$100,090,00) within thirty (30) days of the due date;
 - (ii) The Owner is in material breach of any of its other obligations under this Agreement and that breach continues for more than thirty (30) days following receipt by the Owner of a netice from the Builder requesting that the breach be remodied:
 - (iii) The Owner fails to make any payment required at delivery or to accept and take delivery of the Vessel within thirty (30) days from the date on which it is remarked for delivery without velid grounds pursuant to the term of this Agreement; or
 - (iv) The Owner becomes hankrupt or goes into figuidation (other than for the purpose of analyzmation or reconstruction) or has a receiver appointed and the trustee, assignee, liquidator or receiver as the case may be fails within sixty (60) calcades days to make arrangements satisfactory to the Builder for continued payment of amounts due under this Agreement.

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- b) If the Owner defaults in payment of any amount due under this Agreement within thirty (30) days of the due date then the Owner shall pay interest thereafter on the uspaid amount at the Default Rate until paid. In the event the Owner is in default on payments aggregating at least One Hundred Thousand Dollars (\$200,000,00) the Builder shall be permitted, upon notice to the Owner, to suspend or cease all work on the Vessel until the Owner has paid all amounts then owing, in which case the Delivery Date may be extended as and to the extent provided in Section 13.2 c).
- If the Owner is decimed to be in default pursuant to ARTICLE 20 s) the Builder may deliver to Owner a written notice detailing the default esserted and notifying the Owner of its intention to terminate this Agreement if such default is not timely cured. If, after giving such notice of default and opportunity to cure, the default continues for more than fifteen (19) days, then, in such event, the Builder may, at its option, terminate this Agreement by serving apon the Owner written notice of termination and apon receipt of that written notice of termination by the Owner, this Agreement shall firsthwish terminate. The Builder shall thereafter have full right and power to deal with or dispuse of the Vessel and the Equipment provided always that the Builder does no in a commercially reasonable manner, which may include completing and then selling the Vessel, or contracting with a new owner for the completion of the Vessel, or selling the Vessel in its incomplete state.
- d) If following termination of this Agreement the Vessel is sold by the Brilder, sither completed or incomplete, the Builder shall retain from the sale proceeds all costs and expenses directly and remonably incorred by sesson of the Owner's default, plus all amounts in arrears, plus interest at the Default Raic on any amounts in arrears, plus all costs reasonably incurred in the sale of the Vessel not previously or otherwise recovered. If the Builder completes the Vessel holoro solling it, the Builder shall also be entitled to retain from the sale processis on amount equal to the sum of all the additional Milestone Payments that would have come due under this Agreement subsequent to the Owner's default but for the Owner's default. The halance of any proceeds after deduction of the foregoing amounts shall be paid to the Owner. If, notwithstanding a commercially reasonable sale, the sale proceeds shall be insufficient to pay the obligations of the Owner to the Builder in full as provided herein, the Owner shall remain liable to the Builder for any deficiency.
- e) In the event of termination by the Builder, in addition to any other rights that the Builder has under this Agreement and/or other rights which may be conferred upon the Builder at law or in equity, the Builder may
 - retain the Deposit in full; and
 - (ii) sue the Owner for any copaid damages, including but not limited to all costs, charges, expresses, losses, damages (including last profit sent neathend elements of all payments not paid by the Owner to the Builder).

1) The remedies provided under this ARTICLE 20 are cumulative, not manually exclusive, and the Builder may exercise, either superately or at the same time, may out, or more, or all of its rights or remedies hereunder, and such exercise shall be without prejudice wherever to any other rights it may have under this Agreement or present to law.

ARTICLE 21. DEFAULT ON THE PART OF THE BUILDER

- The Builder shall be deemed to be in default if:
 - (i) the Builder suspensis or ceases Construction of the Vessel for more than thirty (30) days without being expressly entitled to do so on account of any action, orginal or definit by the Owner pursuant to the terms of this Agreement;
 - (ii) the Builder refuses or persistently anglests to comply with any reasonable weither notice or reasonable instruction that the Owner or Owner's Representative is entified to give pursuant to the terms of this Agreement, or is in underial breach of any other term or terms of this Agreement and the breach continues for more than thirty (10) days following receipt by the Builder of a notice from the Owner requesting that the lagnet he remedical (except that, if the Builder fails to complete the Vessel within our hundred and twenty (120) calendar days after the Delivery Date, the Owner may declare the Builder in default without providing an opportunity to curs);
 - (iii)—the Builder's fease dated September 11, 2000 with The Bridgeport Port Authority ("Lessor") for the premises on which the Builder's Shippard is located ("the Shippard Lesso") expires and is not renewed, or is terminated by the Lessor, or the Lessor threatens eviction because the Builder is in material default under such lesse; or
 - (iv) The Builder becomes insulvent or bankrupt or goes into liquidation (other than for the purpose of empigemation or reconstruction), or the Builder suspends payments or censes to terry to its business or makes may special arrangement or composition with its creditors, or has a receiver appointed and the treates, assignee, liquidator or receiver as the case may be fails within sixty (50) calculatings to make arrangements satisfactory to the Dwner for continued performance of the Builder's obligations under this Agreement.
- b) If a default of the Builder under this ARTICLE occurs, then the Owner may deliver to the Builder a written notice detailing the default asserted and notifying the Builder of its intention to terminate this Agreement if such default is not timely correl. If, after giving such notice of default and opportunity to core, the default continues for more than fifteen (15) days, then, in such event, the Owner may, at its option, terminate this Agreement by serving upon the Builder unition notice of termination and upon receipt of that written notice of termination by the Builder, this Agreement shall forthwish terminate.

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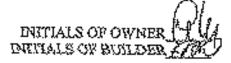
- On termination, the Owner shall be entitled to, at its option -
 - (i) take possession of the Vessel and remove it from the Builder's Shippard for completion elsewhere; or
 - (ii) take possession of the Vessel and perform such work with respect to the Vessel at the Builder's Shipyard as the Owner might consider appropriate to complete the Vessel to a stage where it can safely be immediated and removed for completion elsewhere; or
 - (iii) take possession of the Vessel and call to a third party,

all without prejudice to any claims for deseages that the Owner may have against the Builder.

- (ی If the Owner elects to take possession of the Vessel as provided in ARTICLE 21 c), the Builder shall provide the Owner and its contractors or subcontractors or employees without charge access to enter and work, at the Owner's expense, at the Builder's Shipyard, and shall make available to them without charge the Builden's facilities, plant, equipment, Travelift, mathiesay, moly and other things that are owned or leased by or otherwise possessed by the Builder that are necessary or useful for the completion of the Vessel to a stage where it can assety he launched and removed , and for launching and removal of the Vessel. The Builder shall forthwith term over to the Owner possession of and the Owner may take prosession of the Vessol, the Owner Supplied Items, all Equipment and any other items whatsonver acquired for or intended to be incorporated in the Vessel, whether in not marked as required by this Agreement, the Plans, the Specifications, all construction drawings, detail drawings, sketches, the Construction Schedule, exchaical descriptions, engineering information, calculations, test results or other data or information or documents concerning the design and Construction of the Vessel, whether paper or electronic formut, all manuals, guidos, instruction books and warrenty documentation for all machinery, equipment or other items incorporated or to be incorporated in the Vessel, and any and every other term or thing of any nature whethouver intended to be incorporated in the Vessel, whether in the persession of the Builder, its Subcontractors or vendors, or whether in transit between erry thereof. The Builder shall also fully congerate with the Owner and any governmental sufferity to the extent necessary to peopli the Vessel to be insuched used respoyed from the Beilder's Shigyard to any other shipyard, as the Owner may elect,
- e) The Builder shall use its best efforts to furnish to the Owner concurrently with the execution of this Agreement, or as soon thereafter as is possible, a written undertaking from the Lessor to the Owner providing
 - (i) that the Lesses will deliver to the Owner, at substantially the same time as it delivers the original to the Builder, a copy of any notice in writing of any default by the Builder under the Shippard Lease that could result in the eviction of

the Bailder from the lossed premises, or in the termination or non-renewal of the Shippard Lease;

- (ii) that the Owner shall have the right, but not the obligation, to once any default by the Builder under, and to reinstate the Shippard Legae; and
- (iii) that the Lessor will give the Owner thirty (30) days advance notice in writing of the Lessor's intention to terminate or not to renow the Shippard Lesso.
- If this Agreement is in default and is terminated by the Owner on the grounds n of Builder's default tudes, or the expiration of, or the termination or non-renewal by the Leason of the Shippard Lease, then Builder agrees that it will, moon the request of the Owner, cooperate fully with the Owner and Lessor toward schieving the objective of allowing the Owner to lease directly from the Lessor sufficient space and facilities fin such time as the Owner may determine, in order to pennit the Owner to work on or complete the Vessel to any stage of completion that the Owner may elect. The Builder's cooperation shall include, as applicable, the execution and delivery of any appropriate emendment to the Shippard Lease (without incomence of additional obligations by the Builder), or a termination and release of the Shipperd Lease, or the execution and delivery of such other documents or instruments unit the taking of such other actions as may be necessary or appropriate to permit the Owner of lease adequate space and facilities directly from the Lesser (provided, however, that the Builder shall not be required to incur any additional obligations in connection therewith). Such cooperation shall also include Builder pesosibily vacating such space and facilities and/or transferring possession thereof to the Owner, along with the things identified in ARTICLE 21 d).
- g) In the event of termination of this Agreement by the Owner, in middien to any other rights that the Owner has under this Agreement and/or other rights which may be conferred upon the Owner at law or in equity, the Owner may
 - (i) recover from the Warrenty Guarantee Account such parties of its damages as may be available from the fluids deposited in such account; and
 - (ii) see the Builder for any unpaid damages, including but not limited to all costs, charges, expenses, losses, charges (including the profit and overhead elements of all payments paid by the Owner to the Builder), or liabilities (including estimated costingent liabilities) of the Owner relating to the Builder's design and Construction of the Vessel.
- h) The remedies provided under this ARTICLE 21 ere cumulative, not reutually exclusive, and the Owner may exercise, either septuality or at the same time, any one, or more, or all of its rights or remedies becausion, and such exercise shall be without prejudice whatsoever to any other rights it may have under this Agreement or pursuant to law.



ARTICLE 22. INSURANCE: INDEMNIFICATION

- As of the Effective Date and until the delivery the Builder shall cause the Vessel. and the Equipment and the Owner Supplied Reput to be instruct to their full replacement value at any time suring construction of the Vessel under a sungrate Bailder's Risks policy or policies covering this Vessel and no other vessels, and underwritten by first class underwriters acceptable to the Owner. The policyties) shall be lessed in the joint names of the Builder and the Owner as named insureds and loss payees, as their interests may appear. The insurance mast cover all risks and habilities customarily insured against under, and sludt be in the form of standard Builder's Risk policies including, without limitation, Workers Compensation, Employer's Lighting, Comprehensive General Liability, Strikes, Lockouls and other Labor Stoppanes, Hall and Machinery, Protection and Indomesty, and such other risks as may be reasonably requested by the Owner. There shall be a breach of warranty enderscascent in favor of the Owner. The insurance policy shall be an "occurrences" policy, but a "claims made" policy. The policy shall cover Owner Supplied Items from the time delivered to the Builder's Shippard. The policy shall have a deductible of no more than Twenty Five Thresand Dollars (\$25,000.00). The policy must include comprehensive general liability insurance (including crew habilities insurance) with combined single limits of at least the current value of the Vessel up to Triaty Million Dollars (US \$30,000,000,00) with the Owner mand us an additional insured, covering risks associated with the Vessel, and construction of the Vessel, including the associated essis and trials. The Builder shall furnish to Owner copies of all relevant insurance politics and endorsements from time to time in effect, and copies of such religies and codomomests in effect as of the Effective Date of this Agreement shell be attached Templo un Foducit 🖏
- All premiums for the insurance shall be payable by the Ruilder. The Owner shall have the right, but no obligation, to make any insurance premium payments not made by the Builder, and the right to immediate reimbursement from the Builder or deduction from any reachining installment of the Contract Price for any insurance premium programme thack by the Owner. All insurance religion shall require the ignuous to give an anciertuiting that the Owner shall have no liability for premiums. notwithstanding that it is a named assured, and to provide thirty (30) days prior written potice to the Owner of any non-renewals, nonpayment of premiums, cancellation, ispace or medification of any such pulicy. The Owner shall have the tight, but not the obligation to care,
- is the event that the Vessel suffers damage by any cause whatsoever prior to Delivery and that demage does not constitute an actual or constructive total loss of the Vessel, the Builder shall repair the damage in accordance with this Agreement, the Succification and the other Standurds, and to the satisfaction of the Classification Society and the Oweer's Representative. If the demage is covered by the Builder's Risk insurance, all insurance proceeds shall be payable to the Builder and shall be milited by the Builder exclusively toward the prompt repair and restoration and

INTITALS OF OWNER INTITIALS OF BUILDER Construction of the Versel in mondance with this Agreement and the Plans and Specifications and the other Standards, and to the satisfection of the Classification Surveyor and the Owner's Representative (provided that the Builder and the Owner shall first have agreed in writing as to a reasonable extension of the Delivery Date for any delay directly resulting from the partial loss).

- d) Nothing in this ARTICLE shall be construct an extending the Delivery Date (unless by express written agreement) or discharging the Builder from any of its duties and liabilities to construct the Venezi strictly in accordance with the requirements of this Agreement, the Plans and Specifications and all other Standards.
- In the event has the Vessel becomes an actual or constructive total loss within the terms of the Builder's Risks insurance, the Owser shall be entitled to receive directly from the insurers all insurance proceeds up to an amount (the "Insured Amount") equal to the total of (i) all payments previously made to the Builder, plus (ii) the total delivered and installed costs of all Owner Supplied Reses. If for any reason the insutance proceeds are less than the lumbed Amount, Builder shall be fishle to Owner for any and all shortfall. If the Vessel has become an actual or constructive total loss, Owner, in its spie discretion, may elect either (f) to have the Builder commune within thirty (30) days after Owner's receipt of the Insured Amount construction of a now Vessel for the Owner pursuent to the torses and provisions of this Agrosmest, with the some Cordrect Price but with a new mutually agreed Delivery Date, or (ii) to terminate this Agreement, wherespon the Owner shall be relieved of any further obligation to the Builder under this Agreement. Upon payment in full of the insured Amount to the Owner, title in what remains of the Vessel and the Equipment and the Owner Supplied froms shall be transferred to the Buildes, and the Builder will be entitled to retain any belance remaining of the insurance proceeds received or payable in respect of the loss. The Owner shall cooperate in good faith with the transfer of title of the Vessel to the Builder as provided herein.
- In addition to but not limited to the foregoing provisions contained in this ARTICLE, the Builder shall and does hereby agree to defead, indemnify and hold harmless the Owner and the Vossel against all actions, suits, claims, demands, costs or expenses on account of personal injury, death, or damage to or loss of property crising prior to the delivery of the Vessel to the Owner, in the course of Builder's performance of its obligations under this Agreement, except to the extent of the Owner's negligence of the negligence of the Owner's employees, representatives, agents, or subcontractors. This indemnification shall extend to any action on the part of any Federal or State Government or Maricipal Authorities, or otherwise, estimed by any pollution of lend, waters, buy, harbor, river or tributary including by oil or feel spillage or policies discharged from the Vessel, at any time prior to delivery. The Builder shall procure insurance under "occurrence" policies and not under "claims made" policies with insurers and in amounts approved by the Owner, and in the names of the Builder and the Owner as their respective rights and instructs any appear, whereby the Owner and

the Builder are indemnified against liability in respect of the matters referred to in this ARTICLS 22 ft.

The Builder shall notify the Owner within five (5) Business Days of eay damages to the Vessel or to the Equipment or to the Owner Supplied Berns, and/or any ්නන්න ආයේෂ.

ARTICLE 23. TAXES, DUTIES, AND CONTRACT EXPENSES

- Builder shall pay all local, state, and faderal taxes, workers' companisation, social security or old age benefits of any manne, unemployment fax, and any other similar taxes, charges, assessments and contributions of any kind new or hereafter payable in connection with the Construction of the Vessel imposed upon, or with respect to, or measured by, minurials and labor utilized to the Construction of the Versel hercuster, or the wages, salaties or other renunerations paid to persons employed in connection with the performance of the Agreement, and Builder shall indemnify and hold Owner hamaless from my and all hability and expense by reason of Builder's failure to pay such taxes, charges, assessments and contributions.
- ቴን Owner agrees to pay, or to the extent Bollder is required to pay, to indemnify Builder for the payments of, any sales taxes or similar fees, duties or charges arising from or in connection with the sale of the Vessel and the transactions contamplated by this Agreement. The Builder shall use its best efforts, however, to pasist the Owner in achieving exemption from any such taxes, as provided under ARTICLE 10 e), to the extent permitted by applicable laws and regulations.

ARTICLE 24. NOTICE AND COMMUNICATION

Any notice to be given to the Builder under the terms of the Agreement shall be served to writing in the English language (by fax or p-mail confirmed by Jeger, or by segistered mail, or delivered against receipt) at the following address, malesz otherwise notified in writing by the Builder:

> Derecktor Shipyards Com., LLC 857 Seaview Drive Bridgeport, Connecticut 00607 Attn: Mr. Paul Dereckfor

Phone: 203-336-0108 Fax: 203-362-1464

c-med: Pauld@derecktor.com

With a copy to:

Bilgaeff Grassman & Schole LLP 370 Lexington Avenue New York, New York 16017 Attr: Barry Grassman, Esq.

Phote: 212-370-1308 Fax: 212-370-7889

Emgil: bigrossuss@cgsllp.com

b) Any notice to be given to the Owner ender the terms of the Agreement shall be served in writing in the Fuglish language (by fas or e-mail confirmed by letter, or by registered mail, or delivered against receipt) at the following address, unless otherwise notified in writing by the Owner:

Gemini II LTD. Cayman Business Park, A7, P.O. Box 10300 APO. Grand Caymen, Cayman Islands

<u>With eaging to:</u>

Authony Masion 9025 Greenword Laus Las Vegas, Nevada 89134

Pages (102-242-7180) Fax: 702-242-7915

E-mail: ceo;04@siemahealth.com

end to

Lars Fortherg, Esq. Halland & Knight LLF 195 Broadway, 24th Floor New York, NY 10007

Phone: 212-513-3316 Fax 212-385-9010

P-mail: lars.forsberg@likkew.com

ARTECLE 25. CONTRACT DOCUMENTS

- In the event of any favoraistencies among the Vessei Construction Agreement. the Plans, the Specifications, and the Equipment List, the following is the governing order of such contract decaments;
 - the Vessel Construction Agreement, (i)
 - (ii)the Specifications,
 - (iii)ika Placs,
 - the Europeannt List. av).

ARTICLE 25 is offective through the life of this Agreement unless otherwise noted in witing.

ARTICLE 26. ASSIGNMENT

The Builder may not, without the express written consent of the Owner, assign its rights under this Agreement or any part thereof or any benefit or interest therein or thereunder, and any stlempted or purported savigament will be null and void. The Owner shall have the right to assign any of its rights under this Agreement and shall notify the Builder in writing of may such assignment within a reasonable time after any such assignment. Any such assignment by the Owner shall not relieve the Owner of its obligations under this Agreement, unless the Builder otherwise spaces in writing.

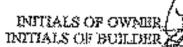
ARTICLE 27. SETFLEMENT OF DISPUTES

- Any disputes between the Builder and the Owner arising from this Agreement shall be resolved in accordance with this ARTICLE 27. As a first resort, the parties or duly empowered representatives that tracet in person to attempt to againstify appointe and resolve the dispute. Fulling emicable resolution, the parties may thereafter mutually sock to resolve the dispute by mediation. Mediation is not mandatory, however, and either party may instead initiate arbitration in accordance with remaining provisions of this ARTICLE.
- If any question or difference shall arise between the parties as to the assauing of or the rights or obligations of the parties in relation to any technical requirements or technical provisions of this Agreement (including, but without limiting the generality of the foregoing, disputes as to whether the Vessel suffers from any defect end/or complies with the Agreement when tendered for delivery), at the written request of either party, the same may be referred to a mutually acceptable independent marine professional, whose decision shall be binding. Alternatively, the parties may by mutual agreement refer the matter to the senior surveyor of the Clausification Society at New Youk, MY, for his interpression and decision, in which case his decision shall be bizding.

initials of owner

Case 1:08-cv-06334-LAP

- In the event the question or difference is other than of a technical enture, or if the parties cannot agree whether a particular question or difference is of a technical nature suitable for decision under ARTICLE 27 8) above or cannot agree on a penion to whom it abould be referred, or if the senior surveyor of the Classification Society declines to decide the issue, then the dispute shall be referred to arbitration present to ARTICLE 27 d) below.
- Any question or difference between the parties not repolved pursuant to either ARTICLE 27 a) or ARTICLE 27 b) above shall be resolved by either a mutually acceptable solo arbitrator, or if the parties carnot agree on a single arbitrator, by a panel of three neutral arbitrators, one appointed by each of the parties and the third chosen by the two appointed by the parties. The arbitrations shall be held in accordance with the rules of procedure of the Society of Maditine Arbitrators, and applying United States Muritims Law as the substantive law. This arbitration proceeding shall be conducted in the English Emgrege at New York, New York, or at such other location as the narties may mutually agree, and the parties shall be entitled to be represented in the uplimation by counsel of their choosing.
- Histor party may initiate arbitration under ARTICLE 27 (i) by earling written notice to the other of election of the right of arbitration and specifying the disputs to be arbitrated.
- The dispute shall be referred to a sale arbitrator if the Owner and Builder agree upon one arbitrates within ten (10) calculur days after receipt of the notice of dispute. If a sole arbitrator is not so appointed, then within five (5) calendar days thereafter, the Builder and the Owner shall each appoint an arbitrator and within five (5) calender days thereafter the two appointed arbitrators shall jointly appoint an umpire,
- If one party fails to appoint as molitator within the period of five (I) entender days, an arbitrator shall be appointed for it by the Society of Maritime Arbitraturs. If unitary party appoints an arbitratur within the five (5) calender days, then the notice shall be doesned to have lapsed. References in this ARTICLE to "the arbitrator" shall include, where appropriate, two exhibators and the unnoise.
- The arbitratur or arbitrators shall have full power to review and rule upon any issues erising out of or relating to this Agreement. The parties and the arbitrators shall use their best efforts to complete the arbitration within thirty days. The arbitrators' decision shall be given in a written award together with the reasons for their decision.
- The award in the arbitration shall be final and binding on the parties, i)
- Ð, The erbitration penal shall have audiority to award reasonable attorneys fees.
- No party shall be considered in default hereunder during the numbercy of arbitration proceedings relating to a disputed default, and if found in default by the arbitration penet, shall be given ten (10) Business Days from receipt of the arbitration



award to cure such default. The pendency of arbitration proceedings shall not justify extension of the Delivery Date unless (i) the Builder prevails, and (ii) the arbitration panel, at the Builder's request, finds that an extension is justified, and then only for the margher of theys the arbitration panel so hoterainess.

ARTICLE 28. INVALIDITY

If any tarm or terms contained in this Agreement shall be void, illegal or uncoforceable in any respect under the applicable law, the remaining terror shall remain valid, legal and conferentiale and shall not in any way be affected or finished by that invalidity.

ARTICLE 29. CONFIDENTIALITY

- The Builder and the Owner shall knop the terms and canditions of this Agreement, including without lightness, the Contract Price, in strict confidence and therefore shall disclose no information concerning this Agreement to any county save as required by law or as permitted in writing by the Owner. Any publicity relating to this Agreement or to the project contemplated by this Agreement or to the Vessel and that is militiated by or that in any way involves the Railder must be approved in advance by the Owner, in writing, except as otherwise provided in ARMCLE 31 a). The Owner may, in his absolute discretion, decline to permit any such publicity tencept as otherwise provided in ARTICLE 31 a)).
- The Smiller shall not disclose the identity of the Owner or the Owner's ŧ١ principal or any member of Owner's family for any purpose, including, without Haritagion, premotion or marketing of Builder's products.
- Porther, each Party shall cause any director, officer, employee or agent involved. with this transaction to agree to do fite same.
- The Owner shall not release into the public descript any photographs of the Yessel under countraction without the prior written cousent of the Builder, which consent shall not unreampably be withheld.
- The foregoing restrictions, bowever, shall not apply to disclusures made (a) to employees or professionals requiring such information to assist the transaction, to maintain books and records, or to prepare tax returns, or (b) to comply with subposture or discovery requests issued within any logal proceedings or (c) of publicly available information.
- If the Builder becaptes the respirements of this ARTHAL, it shall be liable to the Owner and the Owner's principal (who shall be decreed a third party beneficiary of this ARTICLE) for any regulting loss, darneds, or other consequences of its schools.

ARTICLE 30. EFFECTIVE DATE

This Agreement becomes effective when it is signed by both the Owner and the Builder.

INTITIALS OF OWNER

ARTICLE 31. GENERAL

- Demonstration. The Owner (without being required to disclose his identity) a) shall pennil the Builder, on the giving of reasonable price notice, to publish pictures and a brochure of the completed Vessel for advertising purposes. The Builder shall coordinate with the Owner to ensure that the Builder's access to the Versel flors not interfere with the Owner's use and calcompent of the Vessel.
- Governing Law. This Agreement shall be governed by and construct in acceptionce with the substantive laws of the State of New York.
- Submission to Inrisdiction. Pailing voluntary submission to arbitration, any action, suit, demand or processing instituted shall be instituted and litigated within the inflation of the federal or state courts located in New York, New York soluly to compel arbitration, and each of the parties, by the execution of this Agreement, hereby consents and submiss to the exclusive jurisdiction of the federal or sinte cours incated in New York for that limited purpose. Neither party shall ruise as a defeate to say section, suit desugned or proceedings to compat advitation, which is initiated in any forum as provided above the lack or jurisdiction of the courts of such forum over the rement of early party for that livered purpose.
- Lien. The Builder shall have the right of gossession of the Vessel and property \mathbf{d} owned by the Owner in the Builder's payerstion, sustably or control, for the whole or part as the case may be, of any and all amounts due and owing to the Builder and ossetanting at our time from the Owner under or in connection with this Agmenton up to the time the Protocol of Dolivery and Acceptance is signed. Builder shall have the right to fite UCC-1 Gazacing statements against the Owner covering the Vessel, to the extent of such indebtedness, without the further constant or the signature of the Owner.
- <u>Limitalian of Liability</u>. In no event, Whether based upon contract, too, warranty, ty otherwise, shall Owner or Enilder be liable for or obligated in any manner to pay special, consequential, pacétive, incidental, indirect or similar damages for any reason is consection with this Agreement and the businessions contemplated headly escript as otherwise set forth in this Agreement. Both the Builder's and the Owner's obligations hereunder abuil be limited to those expressly set out and assumed by Owner and Builder, respectively, under this Agreement.
- Broker Claims. The Builder and the Owner each represent to the other that there is no broker charging through it who is entitled to any brokerage commission in connection with this Agreement,
- Purther Assurences, Each party shall sign all such documents and do all such things as may be noncessary or decirable to give full offect to this Agreenteent.
- Entire Agreement This Agreement shall constitute the entire agreement between the parties and shall supersude all previous regotiations and all other writings

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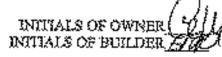
Page 59 of 63

on the subject of the work covered hereby (except us to the Plans and Specifications which may be modified by oral agreement) and shall not be utilected or modified by any oral agreement.

- Modifications: No modification, change urders or amendment of this Agreement shall be of any force or effect volcos the same is in writing and signed by all parties and otherwise is effected in accordance with the provisions of this Agreement.
- Time for Performance. The parties agree that the time figures and time limits established in this Agreement for the performance of their respective obligations are reasonable pecieds for performance of those poligations, are material terms of this Agreement, and the parties intend to be bound thereby.
- **(**: Denomination in United States Dollars: All monetary amounts provided for in this Agreement shall refer to United States Dollars.

ARTICLE 32. INTELLECTUAL PROPERTY

- Whether or not any components of the Vessel may bear the patent member, a١ trademarks, or trade names of the maintacturers, nothing in this Agreement or the Specifications and any addressa (Exhibit A), or the Plans and any addenda (Exhibit B), which are incorporated herein and made part of this Agreement, shall be construed as transferring any patent, trademarks, or hade names of the pagestacturess and nothing in this Agreement or the Specifications and any addenda (Exhibit A), or the Plans and my addenda (British B), shall be construed as transferring any patent, trademark, trade name, or convergits from the true and lawful owners threeof.
- The Builder shall defend, indemnify and held the Owner harmless against any liabilities of the Owner saising out of my infringement of patent or design in respect of the use of designs, plans, drawings or Specifications supplied by the Builder in connection with the Construction of the Vessel under this Agreement that only if any such infrincing designs, plans, durvings of Specifications supplied by the Builder was not produced or done pursuant to the specific directions, instructions or requests of the Owner, the Naval Architect, the loterior Designer, the Marine Engineer, the Owner's Representative or any other persons engaged by the Owner), and the Owner shall promptly give to the Builder notice of any such claims brought against the Owner and provide such assistance to the Builder in defeating eary such chains as is responsibly required, including but not limited to allowing the Builder to defend any such claims in the Owner's name tax at the cost and expense of the Builder.
- The Builder shall respect the intellectual property rights of any third parties with whom it is in privity, and in addition, the intellectual property rights of the Naval Architect, the Interior Designer, and the Marine Engineer.
- The Builder acknowledges that, except as otherwise provided in this Agreement, (i) the Piaus, the Specifications, engineering calculations and any other



intollectual and proprietary property used or flamished to the Builder for use in connection with the Construction, testing and delivery of the Versel shall be and remain. the exclusive property of the Owner, or its Heessors, as the case may be: (ii) except with the express written consent of the Owner, the Builder does not have the right to can the Figure, Specifications, engineering colculations and any other intellectabl and propriesory progesty used or furnished to the Builder for use in connection with the Chastraction, testing and delivery of the Vessel for the construction of any other versel: fift except with the express written consent of the Owner. The Builden does not have the right to soil, aneign, license or sub-license any rights, interests and uses its and to the Plans, Specifications, engineering calculations and any other intellectual and proprietary property used or furnished to the Builder for use in connection with the Construction, legging and delivery of the Vessel to say third purty, and (iv) except with the exerces written consent of the Owner, the Builder shall not have the right to reproduce, distribute or disclose in whole or in part, the Plans, Specifications, engineering calculations and any other intollectual god proprietary property used or famished to the Beilder for use in contection with the construction, testing and delivery of the Vessel.

- e) Notwithstanding the provisions of ARTICLE 32 d), Builder shall have the right to use the Plans, Specifications, engineering calculations and any other intellectual and proprietary property exclusively in connection with the Construction, testing and delivery of the Vennet.
- The Owner and Builder peknowledge that: (i) the considering calculations, construction drawings, and any other intellectual and proceedary grapperty flatistical by the Huilder for use in connection with the Construction, testing and delivery of the Vessel shall be and remain the property of the Builder, the Owner however bong hearby emuted an exchasive license in the same. (ii) except with the express written engineers of the Builder, the Owner does not have the right to use such engineering egioviations, construction drawings, and any other fatellergual and proprietary property furnished by the Builder for use in consection with the Construction, testing and delivery of the Vessel for the construction of any other vessely (iii) except with the express written consent of the Builder, the Owner does not have the right to sell, eneign, license or sub-license may rights, interests and uses in and to the ragineering celeviaterious, construction drawings, and any other levellectual and proprietary property flamished by the Builder for use in countertion with the Construction, testing and delivery of the Vessel to any third party other than a charters; or buyer or other usconferce of the Vessel; subject to the restrictions set forth bersin, and (iv) except with the express written consent of the Builder, the Owner shall not have the right to remoribee, distribute or discloss, in whole or in part, to faird parties, the engineering calculations, construction drawings, and any other intellectual and proprietary property farpished by the Builder for use is connection with the construction, testing and delivery of the Vessel, except to the extent needed by the Owner or by a charteres or buyer or other transferee of the Vessal in connection with the use, maintenance, repair, charter or sale of the Vessel, subject to the postrictions set forth harein.



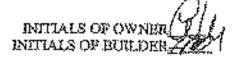
Notwithstanding the provisions of AKTICLE 32 f), Owner shall have the right **(**3 to use the suggesting calculations, construction describes, and any other intellectual and mapping transfer furnished by the Builder in connection with the Construction. testing and delivery of the Vessel as needed by the Owner in connection with its use, maintenance, repair, charter or sale of the Vesset, and the Owner shall have the right to transfer such tights in while or in part to any charterer or buyer as other transferse of the Vessel for the same uses, subject to the restrictions set forth herein.

ARTICLE 33. ATTORNEYS FEES AND COSTS

is any arbitration or other legal proceedings indicated by any nerty to this Agreement arising out of ar relating to any question, difference or Aspose mader, or any alleged breach of this Agreement, or in any logal proceeding to caferce or realize upon any protection award, the prevailing party shall be entitled to recover from the other party all atterneys' fees and expenses reservably incurred by the prevailing party in determining, protecting or enforcing its rights, including, without limitation, those incurred in connection with arbitration proceedings, or in connection with proceedings in any trial court, on any appeal, in any bankruptcy or other such respectives, and in any post-award or post-judgment lititation to collect upon or otherwise culings an arbitration award or a court judgment.

ARTICLE 34. REPRESENTATIONS AND WARRANTIES

- Builder makes the following representations and warranties to Groner on and as of the date hereof:
 - Builder is a limited liability company duly organized, unlidly existing and in shood sumbing under the laws of the State of Delawere and has the requisite corporate power and ambesty to enter into and perform its obligations under this Agreement; and
 - This Agreement has been duly executed and delivered by Philder and dear constitute the legal, valid and binding obligations of Builder enforceable assignt Builder in accordance with its torms, subject to the effect of hankrepley, insolvency, reorganization, receivership, moratorium and other similar laws affecting the rights and remedies of confitors generally and subject to the effect of general principles of equity, whether applied by a court of law or equity; and
 - There are no logal or governmental actions, suits or proceedings pending or, to the actual knowledge of Builder, threatened against Builder before any court, administrative agency or tribunal which, if determined adversely to Builder, could reasonably be expected to affect the ability of Builder to perform its obligations under this Agreement.
- Owner makes the ibilowing representations and warranties to Builder on and as b) of the date hereof:



- Owner is a company duly organized, validly existing and in good standing under the laws of the Cayman Islands and has the requisite power and authority to enter into and perform its obligations upder this Agreement; and
- This Agreement has been duly executed and delivered by Owner and docs (ii) constitute the legal, valid and binding obligations of Owner enforcestle against Owner in accordance with its terms, applied to the effect of bankruptey and other similar laws affecting the rights and remedies of creditors generally and subject to the effect of gaseral principles of equity, whether applied by a court of law or eggiáty; and
- There are no legal or governmental actions, suits or proceedings pending or, to the actual knowledge of Owner, threatened against Owner before any court. administrative agency or tributal which, if determined adversely to Owner, could reasonably be expected to affect the ability of Owner to perform his obligations under this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed, paracraftly or by their doly authorized representatives with due written authority. and their seals we herete affixed as of the date(s) indicated balow.

EXECUTED as an agreement:

For the Publics:	For the Owner:
DERECATOR SHIPY ARDS CONN., LLC	GEMINURLID,
By: EVAL	By Stattoony of GOR
E. Paul Dereckfor Title: President of the Board of Managers	Title: PAR
Detc: 7/14/05	Date: 430(05

2445<u>878_</u>787

Ì

AMENDMENT NO. 1 TO YACHT CONSTRUCTION AGREDMENT

WHEREAS, Geosai II Lid., a Cayman Islands company ("Dwars") and Dereckter Shipyards Conn., LLC ("Builder") are parties to that contain Yards Construction Agreement dated as of Juste 34, 2395 (the "Agreement") partment to which Builder is undertaking the construction of a 145' extremum uniting yards for Owner; and

WHEREAS, the coropletion of the Exhibits to the Agreement and execution of the Agreement by Builder were deleged for a period of time after the Agreement had been executed by Owner, and

WHYREAS, as a consequence of such delay Builder requested Owner to agree to a nine day extension of the "Delivery Date" and to a corresponding modification of the definition of the term "Delivery Date" as used in the Agreement; and

WHEREAS, Owner has uproed to un extension and modification to the extent set forth below;

NOW, TREEREPORE, Owner and Builder hereby agree as follows:

- 1. The original language of Article 2 c) on page 3 of the Agreement is hereby detect in its entirety and replaced with the following imagings:
 - r) "Delivery Date" means November 30, 2007, or such earlier or later date as may be provided in a Change Order, or an may be calculated in accordance with any provisions of this Agreement expressly providing for extending or strontening such date, or such other date as the parties may agree in writing."
- 2. Except to the extent copressly modified by this Amendment No. 1, all other terms and conditions of the Agreement remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have excessed this Amendment No. 1 to Yacht Communico Agreement to be effective as of July 15, 2005.

THE STORY OF THE STATE OF

g, 10 12 10 21 10 7
DERECKTOR SHIPYARDS CONN., LLC
Ву:
J886;
OWNER:
CEMBALULATO.
By:
Title:

John M. Toriella		
Patrick J. Sweeney		
David R. Brand		
HOLLAND & KNIGHT LLP		
193 Broadway		
New York, New York, 10007		
(212) \$13-3200		
Attorneys for Plaintiff		
Gemini II Ltd.		
Sylving It Disc		
UNITED STATES DISTRICT COURT		
SOUTHERN DISTRICT OF NEW YORK		
GEMERI II LTD.,		00.00
1313/15/16 11 1-1 XX.		08 Civ. 6334 (LAP)
	Plaintiff,	
ag≥iinst -		

Defendunt.

DERECKTOR SHIPYARDS CONN., LLC.

EXHIBIT 3 TO BLADEN DECLARATION

EXHIBIT 3

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Van Peteghem & Lauries Prévost Naval Architects

61 GENERAL CONDITIONS

This specification is for the construction of A 145° extrusors sailing yacht according to plans and specifications dated April 28, 2005. It is the intent of this design and specification to construct a super yacht to the highest standards of construction and outfilling.

The yacht is intended for private use and charter (commencial use) and is intended for year round, worldwide cruising, all seas excluding its, with trans-oceanic capability. The yacht is to be Classed and delivered with the following certificates:

- 1. Buyeau Veriles Roles for the Classification of Yachts:
 - # STULL * MACH
- MCA; ≤12 passengers; ≤500 (7)
- 3. Cargo Ship Safety Cortificate
- 4. MARPOL Amera I, IV, V and others as required (SOPRP review by Chara)
- International Land Line Certificate (ILEC 1966)
- International Tomange Certificate (ETC 1969)
- 7. Letter of Compliance for Minimum Safe Manning
- 8. Panaga Tomage Certificate

All certifications and regulations are to be entrust or the time of delivery to the Owner.

The Builder will assist the Owner in entablishing the ISM Safety Management cartificate test. Cartificate of Registry.

(IJ.0] Conjucts & Legal Addresses

Project Name: Genini Project

Naval Architect: Van Peteghera & Louriot Prévost Yacht Design

11 Divd Roundon 75064 Paris, France consil : genswi@vphy.com

Marine Engineer: Taylor Matine Services, Inc.

Hervatel, MA 01451 DSA Expail: laylormarine@charter.net

Interior Design: Michael Leach Designa

Landon, UK.

01.02 Principal Characteristics

Flag State:	Caynun (steeds
Huff pusterial:	Alupaison
Hall forms	Салилизация
fleagth own all:	44.2pp
Longth water time:	40.846
Molded Breadth:	16,649
Molded Dypth:	J., 75m
0-4-	2 Sep

Sail area: \$48m² (up-wind) / 1112m² (teaching)

17TC 1969 tomoage: 4997 Light Ship Displacement: 2107

Fuel Capacity: 30365 liners

b

GEMINI Project Contract Specifications

Von Peteghero & Lucrica Prévost Naval Architects

Water Cupacity: Anchoring Systems:

ESGO liters Cjąsacji

Salidivision:

ten (10) watertight compartments

Decks.

Three (1); cabin deck halls, main deck, upper deak

Propertision:

Two (2) Caterpillar ; model ; C-12 ; rated : "C" 454 lip @ 2109

Couraince

Three (3) Northern Lights; model: MP445D; rated: 40 kW;

208/3/60

01.02.03 Units

Units used in this specification:

I moeter ≈ 3.2H1 feet. 25.4 amu ~ Finch

1 touge ~ 1000 kg ~ approx. 2200 lbs

1 liter ≈ 0.265 US gallons

01,02,47 <u>Dispensional Tolerances</u>

tfull alignment and dimensions are to be monitored during the construction period. The following spagnessor femaness gain of of

Heat Leagth:	± 44.2 yanı	(1.75")
(Breadde)	-() _C -4-25 ntas	(-0", ÷1")
Depth;	±25 mms	(k 1°)
Frants spacings	±5 पक्षप	(±3/1 0 °)
Dock beiglas;	≑ 0 coc	(±1/4°)
Longitudinate:	±S arson.	(*3 <i>116</i> ")
Bolkhenda;	#Same	(±3/16°)
Shell deflection:	- 3 nuc, +0 nan	(heliun use of filler)
Hull vertical allgraneat:	at-35 max	(1.47)
Mail: parellet:	± 25 an/6	(1")

± 45 mg/t

03.03 <u>Plans and Specifications</u>

Bow-Stein Diagonals:

It is the insent or spirit of this specification and the plans to emission and furnish a yacht complete and outfitted in every respect and ready for hor intended service. All arboles of equipment to be furnished by the Owner shall be specifically mentioned herein, and, if not specifically mentions, are samused to be included. Omistions from the plant or specifications, or both, of any stems, which accoming to the generally accepted practice, are necessary for the proper operation of the yearbh shall not release the Builder from supplying some.

(1.75%)

in all cases where discrepancies exist between the specifications, schematics plans and the contract, the construct shall govern, followed, in order, by the specifications, plans and

The plans and specifications are intended to be consistent and in harmony, and any work coiled for at the plane and not in the specifications, or vice-verse, are to be executed as through क्तरवर्गिक्दर्व थि वेदारिय

All plans and specifications are to remain the property of the Owner or Architect.

01.01 Bullder's Responsibilities

The Builder will be responsible in all aspects to construct the vessel in accordance with these specifications and design as put forward by the Aschitects and as represented by this specification and the Architect supplied drawings.

It shall be the responsibility of the Builder to concludy thock purchase orders, and also to check all materials delivered, to exame conformity with the details of the specifications and with all permut working requirements, including installations within the available space.

The Builder shall accept his obligation to review all specifications, plans, schematics, armagements and Details, collectively the Details, submitted by the Architect and to accept responsibility for the proper construction of the yught, as though same were of the Builder's tryo design. Paless the aforementment details have been rejected in writing, the Builder is required to proceed with the work at set forth in the details.

Q1.04.01 Specifications Intent

These specifications are for tendering and construction purposes. Principal items, nuch as systems, equipment and machinety, have been specified for life cycle, weight and performance criteria. Specified items are intended to be restrictive rather than descriptive, and are of the type and grade of articles that will be satisfactory. If the Builder proposes alternative equipment, the weight, life cycle, performance criteria and cost differences will be specified in the tender.

Where the phrese "gg pgggf" is used in these specifications, the Builder may propose alternative excipment based upon life cycle, weight and performance criteria. If the Builder proposed alternative equipment, it is coupled that the weight, life cycle, performance criteria and conditionness be provided in the tender.

81.84.93 Welcht Control

Of prime importance for a multifull sailing ressel is entricinizing weight as this criteria is a critical factor editoring performance. Under such discussioners, the Builder will propose a weight contain program to recoller the weight of the construction.

As never, stronger and lighter emicrials are developed after the openifications have been varified, and at the build proceeds, the Builder may propose alternative materials to the appointed materials, and the impact on weight and cost for the Aschitect and owner to review.

The Architect may propose alternative materials to the specified materials. In this instance, the Builder will provide its impact on weight and cust. In all electrostenests, the Architect and over will have fund choice of meterials. Please see: 01,04,64 Alterations & Extras.

01.04.115 Weight Calentations

Sefere the foul Lines Plan is completed, the Architect will fund over the usual weight calculation to the Suitder for approval. The Suitder will shock the weight calculation seeds by the Architect. The suad displacement will be enturbed in the Suitowing condition "fully leaded, is banks".

The Builder shall be responsible for meeting the weight calculations and shall institute a weight manifolist gracedure and track weights.

The Nelliter will propose a weight remitoring procedure plan for Evaluation. Such a procedure should technic weighing of every thing that goes on and off the vessel, and periodic weighting of the entro structure for both weight and LCG. The Builder must submit 'rest time' weights to the Architect for review on a upportify basis,

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GENERAL Project Contract Specifications.

Complete vessel incheding:

- Mosts and hooms
- Standing/coming រដូច្នៅកន្ត
- Soilst mainsall, foregoil, jib, staysail, sail covers.
- Sylve park
- Tools
- Uplpdkrety
- Half textiler
- Sofety egsépment
- Owner furnished items listed in part 14/02

01.04.06 Constantion Process

The Architect will be consulted regarding any and all recommended substitutions and be will be asked to confirm that there will be no specifice in quality, additional weight, or performance. However, in all cases, it is understood that the final decision and unthority to the Builder will receive with the Owner's Representative. Changes from the items listed by trade name shall be made only with the approval in writing from the Owner's Representative. This condition is to have affect whether or but such terms as "or equal" are used.

Where so specific supplier has been named, the Builder is to select more than one supplier for the equipment, and being satisfied that the equipment meets the requirements of the details, is to obtain Owner's Representatives approved before purchasing and installing equipment.

The Builder is to review all plans, drawings, subspectactor parts and specifications to satisfy the Builder that the intended objectives and requirements will be achieved.

Specific items where required by the Classification Society, such as main half materials and machinery suc to have test certificates issued by relevant magnifecturer and inspecting authorities, where applicable. All original and one vertified copy of all certificates are to be provided to the Owner's Representative.

All post contract cases of testing, certification, Classification expenses, including Plan Approval, Surveys, Trian and Stability Calculations, Prechoard and Tomosge Measurements, Dock and Sea Trials are to be included in the Price saless atternative contractual ananyements have been made.

61.04.05 Alterotions & Exirus

Should the Owner decay is necessary or advisable during the course of construction to make charges in the layout or details, so long as the general tryle and type of the Yacht and it's orangements are amintained, such charges are to be made by the fluides without invalidating the contrast and without adding expense, provided these abstrations are determined before the particular part of the work to which they rater is commenced.

01.05 Asperius and Workmanship

The Builder shall make all offerts to minimize weight of materials and components in the project.

The Builder shall guarantee skilled worksmaltip, in keeping with the best yacht construction practice, and in conformity with the plans and specifications as approved in writing by the Owner's Representative. During construction, any work or materials found defective or

28 April 2005 Page 5 of 123

tristitable by the Owner's Representative shall be comoved and replaced without extra charge, regardless of the stage of construction.

All majorials and manufactured articles throughed by the Builder shall be suitable for morine installation and shall be of the best quality for their respective purpose.

It shall be the responsibility of the Builder to carefully check purchase orders, and also to check all nuterials delivered, to course conferently with the details of the specifications and with all normal working requirements, including installations within the available space.

The selection of instendings shall be Allen head or square head fasteners. Fasteners will be high-grade statutest steel, or other material with galvanic compatibility to be considered.

01.06 Owner Furnished Henry

Investory items listed in part 16.02 will be owner amplied items.

01.07 Mack-ups

The Builder will cost separately, provide a space and construct muck-ups of the following.

- Anchor arrangements (1/4 scale):
- Substituted Bybridge deck alcering stations.
- Salom and aft dock.
- TV lovament
- Dwnce's some
- One (I) guest cabin
- Galley
- Dive compartisient (port \$22/effe)
- Tenzior comparament

01,08 Officer, Access & Inspection,

The Owner and his sufferized representatives shall have access to the vessel and everything pertaining to the vessel at all ceasonable times. The Builder will do its namest to facilitate for week of the inspectors. The Builder shall provide all normal assistance and materials necessary for the puspose of inspection.

The Builder will provide office facilities and space for the Owner's Representatives. This shall include:

- Access for a minimum of 1 telephone lines
- High speak interpet access cable (independent of yard)
- Offices for: Project manager/Owner's representative
- Meeting room occess:

Additional requirements for video support for monitoring of construction will be made available.

VI.39 Prosection during construction

The Hullder will use its best effects (to)protect all work and owner supplied items at all times and be responsible for and reske good any and all durage from whatever cause, to any part of

28 April 2005 Page 6 of 123

the vessel or its equipment or furnishings, whether supplied by itself or by the Owner. All items are to be smalled for the Project upon arrival, weighted and put in accuse storage.

The vessel shall be built at the Builder's yard under a personned roof with suitable climate control, and will be defivered as per terms of the Control.

The Builder shall maintain adequate insurance to cover both first party and third party chims, raming the Owner and Owner's Representatives us further and additional inmeed's and loss bayees.

ULIO Sermulbility for workingnikin and cleaning

Convenient access to compartments for elemning out and amintenence shall be provided to all parts of the Vessel. Placeting throughout that the fatted with suisable access batches.

Convenient secess to the engines, steering gene and all other equipment shall be provided. Our shall be taken in besting pipes and other parts to avoid blocking of secess. If necessary, removable sections shall be utilized.

01.11 Lefting

The Architect will supply a 3D model to the builder. The builder will be responsible for the builder and assing.

01,12 Mans

01.12.01 Contract Plans

The following pions are delivered as the contract plans:

- Precboant drawings
- Safety plan Profile
- General entangement Cubin deck
- General arrangement -- Main deck
- General arrangement Flybridge
- General scrangement Longitudinal sections
- General arrangement ~ Tracsycuse sections
- Deck plan
- Alytricine Birmini assumment
- Sail plate
- Longitodizal and transverse forward beauts.
- Standbloos & rollings
- Tender compartment + tapaching principle
- Platform assungcontail.
- Startward transport arrangement
- Aft passeralle goomatry operation
- Siph passwello.
- Deck hatches and lockers
- Anchoring metagements
- Mounting arrangements
- Thusters errangement
- Systems Ізучий
- អីហ្គើ គុល្ការ៉ូឡឹង[ន
- Preliminary engine room arrangeroods
- Tends layout and geometry.

28 April 2905 Page 7 of 125

- Onlar resolutings
- Fire, noise, vibration and insulation package by SilentLine BV

21.12.02 General Blanz & Documents

The Architect will supply drawings and studies including, but not limited to:

- Half lines plan
- 31) musici
- Hydrostatics
- Stability report approved by class society
- Rudder geometry
- अध्यक्ष स्थाप
- Rigging plan & rig leads
- Chairplotes geometry and details
- Standbings / railing details
- Cove major & printing details
- Bridge & belss statious layout

As a rule, the Architect will provide concepts, generatry, fractionality and extlactics of image but will not provide construction decyrings or detailed drawings. (Since will be the reopensitelity of the Builder.

A detailed list of deswings will be produced between the Architect and the Builder specifying which purty is responsible for their production prior to contract signature.

03.12.03 Interfor Plans

Prior to contract signing, the following plans will be agreed between the Owner and the interior stokets design and decombing team;

- General Arrangement
- Overhead airt window
- Owner's suite.
- VIV cabin
- Gnost cabins and bathrooms.
- Crew cabine and bathrooms
- Galley
- Crew mess;
- Contidors
- Main deck salon and dining urea
- Lower selon
- Wieselhouse
- Imprior furniture details
- Special fixed feature
- Coursel overhead plans
- ន្តរបស់ប្រជុំ នូវជាមន្ត្រី •
- Cošir panipodiva
- Longitudinal sections for each morn or area.
- Trousverse sections for oach zoom or area
- Elevation for each room or unca

28 April 2005 Page 8 of 123

As a rule, the interior orchitect, design and decoration trans will provide concepts and geometry of items but will not provide construction drawings or detail drawings. These will be the responsibility of the Builder.

93.32.94 System Schematics

The following schematics are included:

- Faled system.
- Lube oil system
- . File & Bilge getem
- First water system.
- Sea water зувара;
- Waste water system.
- Hydraulic system;
- ITVAC system.
- AC electrical system one line diagram;

01.13 Plan Approvals

The Builder will submit to the Classification Society for approval all necessary deswings for the proper construction and Classification of the vostel. Copies of approved drawings are to be provided to the Owner's Representative and Architect.

Any plans developed by the Builder should be provided to the Owner's Representative and Architect in duplicate, of which are copy may be electronic.

01-(4 Triply and Tens

Horing trish, the yacht shall be at all times, in the case, custody and control of the Builder. Attendance of the Oweer's Requesteratives, Architect, Class Society and regulatory authorities of the time of the Oweer's Requesteratives, Architect, Class Society and regulatory authorities of the time of the titals, at the carrying out of requests to make certain must or maneuvers, whether informally arranged or according to an established trial agenda, shall not serve to place the yacht in the care or control of the Owner's Representative, Architect, Class Society of regulatory authorities at any time and the Builder agrees to hold the Owner. Owner's Representatives, Architects, Class Society ambor regulatory authorities humaless in the event of lass or damage accurring during trials.

Totals will be constained in accordance with the regulatory authorities' requirements and additionally:

- Prism to testing and inspection, all tanks and piping systems will be thoroughly cleaned and
 washed, and all sleet prit and delets will be removed.
- On completion of construction and prior to painting, all find oil tanks, ballest make, water tanks, oil tentes and seweggianting tanks will be tested and inspected according to classification society requirements.
- Upon vessel completion, a thorough program of dock tests and sea trials one to be carried sail to the satisfaction of the Owner's Representative, Architect and regulatory authorities. All proposed programs are to be submitted to the Architects by the Builder for approval before the vessel is completed. All operations covered by these trials are to demonstrate satisfactory performance and workmarship of all items, as to their suitability for the purpose intended, and to show that all requirements of the intelling specification have been uset.
- All recessory sub-contractors or equipment personnel are to be present during their equipment commissioning or system trials.

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- The Islands to be constructed and stoffed by the Builder, in the presence of the Owner's Representatives, Architects, Class Society and regulatory authorities and all data obtained to be recorded and substated by the Builder.
- These copies of all data obtained are to be provided to the Owner's Representative and the Architect.
- The Owner's Representative shall have the right to select all firel and labricating oils and greases for commissioning and trials. All fisch and lubricating oil consumed during commissioning and trials shall be for the accused of the Buikler.
- All necessary materials and stores for the decation of the trials are to be provided by the
- After all trials a thorough examination of the vessel's structure is to be carried out. All System filtenture to be changed and oberfield for foreign matter to come systems are thereaghly rices.
- Hose testing of all through deak fittings to be constacted after sailing trials.
- All defects found during these trials to be made good by the Builder and the vessel or be re-cosmissioned and theroughly tested and all corrections approved to the satisfaction of Owner's Representatives, Architects, Class Society and regulatory authorities.

03. <u>14.07</u> Dock Telula

Duck trink are to be condecred alwayside the Builder's facility and are to include at a minimum the following triple:

- Main cogness, propeller systems and relocal equipment
- Generators, electrical systems and related equipment
- All deck, meeting and anchoring equipment
- Steering, emergeous steering and thruster systems
- Calibration of all taulor
- Calibration of all sensors and reordinal systems
- All suffice average
- Primage, paraphog and auditrance tests for all pumps and piging systems
- Monual and automatic countryly pod glarm; Systems.

Sea triade may not continuous until all dock triade have been completed and alt defects or deficiencies are cared to the satisfaction of Owner's Representatives, Architects, Class Society នយនី ជម្រងនៃវសាម ១៤៤៤០កូរ៉ូម៉ូនស.

01. 14.07. Power and Maneuvering Tripls

The Yorkt is to be been to the equivalent of full load draft and ritken to sen for a series of runs (even to each direction) even a versacred distance to determine this speed at maximum. counterest power he deep water and made: agreed upon sea conditions.

Etials are to include a series of sups over a measured distance to determine H.P./R.P.M./Propeller Pitel/Sport Curves. These trieds are its cover: maximum (190%) power, 86% of power, 60% of power and 49% of power.

High and low speed-manauvering trials are to be conducted, to include full lock turning circle at continuous nower and at such lower speeds at requested by the Owner's Representative, Architect and regulatory authorities:

- πεπισημόψυς απέαν
- спенуансу втор не 80% рожет
- UMS operation and electrical blackout triefs
- अमृद्रमधीका भा वर्षि महादेखेल्या अधिक वर १०४

Case 1:08-cv-06334-LAP

anchor bacelling and enchoring bja]

Salifug with may not communed until all power and reasonwaring trials have been completed and all defects or deficiencies are cured to the musicaction of Owner's Representatives. Architects, Chas Society and regulatory applicables.

Sailing Trials 01.14.03

Upon extisfactory completion of dock and power trials the Yacht will undergo sailing trials, Trials are to include a minimum of three 8 hour day trips at sea, with they Huilder and principal sub-customer's personnel abound. During these trials the vessel's performance (heat appeal speed made good, course to apparent wind, apparent wind speed) in to be recorded. It is: necessary for the satisfactory completion of sailing trials that they use conducted in suitable weather conditions; for full sail this should include true wind speeds of up us at least 16 knots, Trials under reefed conditions should be carried out in wind speeds of not last than 20 knows.

For the start of the sailing trials the vessel is to be loaded to at least median draft, stores and water to obtain craising conditions.

The trials will include a testing of all eavigation equipment as well as load sensors on the rig.

21.58 Stability Calculations:

The Builder must show by design calculations that the vessel will meet the intact and demand stability requirements for a cutturistur auxiliary sailing vessel as required by all relocace. authorities.

The Builder is responsible for munituring scability during construction and marking all movements of the center of gravity. These will be submitted to the Architect on a monthly besis for review.

The appropriate stabilley was will be conducted by the Builder when the yacht is fully rigged and ready for sea triols,

The Builder will deliver the vessel with no approved authority bookles.

<u>01.16</u> Masts and Rigging

The Owner's Archbort will decide the rig geometry and will provide same to the Huikler with the discounters for the most and rigging. The Builder will deliver final discensions to the most łwilder.

Bellivery of the Vessal <u>01.17.</u>

The Builder will deliver the vessel to the owner in accordance with the Protocol of Delivery and Acceptance, as set forth in the Contract, which means that the risk and expenses of the Yould are transferred to the Owner from that date.

01.16 Ship Documentation Backs

The Builder will subtrait the following books to the Owner and will also include all available is formation on CD. Storage for the records is to be provided in the wheelhouse, captain's office or control room as applicable and is to include:

Technical Documentation

2R April 2005 Page 11 of 123 All evaluable primied or electronic documentation of equipment, such est operation mounts, worknown commiss, service stations, paint lists, drawings, schematics, paint systems, http://documents.org/services.completed and provided with an index.

B. System Doscriptions

A description of all impurious systems and equipment on board is to be provided.
Information such as; where it is located, how it is connected, what it is supposed to do, how to start, to stop and as run, together with exceptial information such as: part numbers, type murders, reference to translatement is to be included. The system descriptions will be provided in departure books and no CD, with the documentation mentioned under C.

C. Maintenpage Schedules

A preventive maintenance schodule for all equipment and coatings will be developed by the yard. The following intervals shall be applied. For example: daily, weekly, monthly, 3-omnthly, 6-pronthly, yearly, docting, 2-yearly and refit, as applicable all equipment and coatings. The maintenance is mentioned together with the step by map descriptions described more fully in section.

D. Codling Systems

A pipe coding system will be developed. The coding consists of self-adhesive arrows on a choose-vized base in the international color code.

Electrical codes will be as specified to past 19A.

01.19 Abbreviogyns

The following abbreviations are to be used in the Specifications:

Ma	edzilių (g.).	Word or Physic
•	мса	British Musikese and Consignant Agency
٠	₽Λ	Buruati Veritos
•	SOFVS	International Musitime Organization for the Sufety of Life At Sea, 1974 and its Protocol 1988 (as accepted)
•	ABYC .	Angerican Boat & Yacht Colonsil
•	Stod	Startiografi
•	TBD	To be determined
•	TEVAC	Heating, Vesupation & Air Combitioning

28 VEHI \$005

10702

20.20

70'20

7.0

£2130 £1 6864

Proposit. 10° Reading appointment and not seeking threshouse-non been hardware. FORTH PRODUCTION & LOUGHLING 20'80'20 And aluminum bulkheads are constructed to \$3.53 wheniums and 6087 TG extrusions. 70 10 70 *स्थानसम्बद्धाः* The resultings and suithces or listed on the abnothers dawnings. Maponinsuo) graj j 1020 क्ताकाराज्य पुरस्काई तक क्षांभितव्यक्ष आर्थार तेयाह

Leaving the Architect and the Owners Representatives.

CONSTRUCTION OF HIRL AND SOFTEEFIND TURE

grade allays that may be considered. 5383 extrusions may be curablered to save weight, if current to be 6882 Te, Note that there is positive development of higher strength manus ensuring ashipper this only yells ensured a \$155662 to between the of si feetor of T

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 \sim wolfol as bytanol that exists in solutions W

<u> Malentiphi doprz</u>

A)08i	890 7000 ¥	\$6505	0-y	হত্যুদ্রাই। গুব চকটাবুণ্ট ট্রিক্স ফটি	7	Forward VIP cabins exterior
Both	bdr	05917	69· Λ	bogniñt	ζ	मार्थ देशकारे क्षेत्रकार कार्याच्या कार्याच्या व्याप्ताच्या व्याप्ताच्या व्याप्ताच्या व्याप्ताच्या व्याप्ताच्या
Both	057 ≭0081	ovese	₩Y	begairt		एक स्वाहित्य किरावित्या स्वाहित्य क्षाति । स्वाहित्य विकास
Pust/Stbd	(mta) axiZ	doltsvo.l X	гынЭ	iimqe Chevqu\$	Particular	ameK

	मुक्स	7000 ¥	\$6\$05	0-V	taggrist od bablavi jagw auti	7	Toenstel VIP calcins exterior
	Both	P.St.	05917	69.Λ	podunt	ζ	क्रिक्स कांचुसर जिल्लानिस्तर, के जार्थी जनके उपबज्ज वर्धि
	dog	057 × 0091	OUZSZ	የ ምላ	ोरुवुवांच्य		Pool & Starboard engine morn (1905 fred
١					(

SIDERALD IV

Senando Jorgania

2.04.02 Weather fight doors

Name	Namber	Opening mode	Class	Location X	Size (1910)	Port/Stbd
Main salon doors	I	Sliding	1160	17950	1200 x 2200	Port
Mein auton gooss	Ī	Silving	TED	17950	800 x 2200	Sibd
Stat door	i i	Sälding	TRD	[7956]	900 x 2200	Sibel
Compunion why guests cabins Residense)	Stiding	твр			Part
Companion why exem existing Spinoase	1	Siming	mo	· • • • • • • • • • • • • • • • • • • •		Silia

The main salon doors will be automatic opening, activated by sensors from both sides,

02.05 Ffull Doors

The full doors and tender hatches are to comply with SOLAS Chapter II-1, part 25-10.

The built down and tender batches will be fitted with positive mechanical latches with fall safe arrangements. Fluit down will also display status on the MEMIC panel.

1) all those and listch latching systems may be exposed in under to save weight.

02.05.01 Stad Lazargue Hull Door

See drawing: Gem_T09_stbd_transom_orrangement and details in Bid Package phase U

The sibd limit door will open up, kinged on the upper origo. It will be used for access to benching the secondary tender. The tender will be launched with two C-Quip, or equal, beard excess.

Opening width or length: 4750 mm
 Opening beight: 1600 mm
 Etright above WL: 500 mm

92,95,02 Part Transom Door

See drawing: Gow_TVI_aft_parserelle and details in Bid Portage phase II

The past luxarotte transcent door will open up, hinged on the forward edge. This form will allow for full head room in the bazzette serving as the diving compartment.

Opening width:

approximately 3550 mm.

Opening length:

approximately 1950 mea

#2.05.83 Tender Hatchey

See Grawing: Gent_TBL_tender_compartment and details in Bid Package phase B

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Tender hatches will be hinged on the outboard sides and lower for launching and recovery of the main tender. These should a prechanical backing device, with manual override, to look the doors into closed position. There should also be a looking system to hold the tender in position. Crew access will be from the main deck analysis from two lateral butches (see Deck Hardes) and lockers) and lead to two platforms fixed (upide the tention communities).

Opening lough both gover.

Opening width, both door.

Height above WL:

Other equipment:

89% tien

3150 map (7 a 1.575mm)

2000 man

Phydraulic holdring system for tender

Chainmates 起破

Chain plate size is to be determined. All chain plates are to be specified by the Architect.

82.07 <u>Тракари</u>

02.02.02 Fuol Tanks

See drawing: Gem FOI & FOG,

The flet system will comply with Bureau Veritas Rules, Part C. Machinesy.

Taid: volumes will be maximised for the space permitting in necordance with the conjugation. ក្នុវិកខាន.

Six (6) integral fact tacks with a total estimated capacity of approximately 31,450 liters, located between 17950 and 26300 in the cross duck with inspection last last, fill & vent place and other necessary fictings. There will be a passage way between the fuel tanks for constelling the filling nothifold. These tanks will be provided with top manhole access for maintenance.

<u>Presh Water Tanks</u> £2,07,02

Water tankage will be maximized. There will be two (2) integral water tanks with a total estimated capacity of approximately 8,600 liters, focated to the cross deck, filted with क्षमधिनेदह, विविद्यु बार्व vent pipes and enterections.

02.07.03 Wasse Water Tanks

Two (2) lategral holding tanks of approximately 4000 liters each are to be located in the keets. with methodes for proportion hatches and tank competitions. These tanks will be provided with top manhole necess and side manhole access for dry dock resintenance.

Four (4) man-integral black water collection pasks of approximately 350 liters such use to be located in the bilges with manholes for inspection batches and tank compections. These tanks will be provided with top manhole access for maintenance.

The tanks will be specially constructed and costed for waste water.

02.07.04 <u> Moo Tanks</u>

Two (2) integral slop tanks of approximately \$50 filers each are to be located in the hitges with manholes for inspection hetches end tank connections.

02.07.05 <u>Sog Water Tanks</u>

One (1) spa water tank of approximately 2000 items is to be built in the part bilge located between 16000 and 18000. It should be fitted with manholes for impertion batches and required connections.

02.07.06 Luhe Off Tanks

Two (2) integral hydrouble ranks of an approximate capacity of 500 liters each, are to be fitted as per the drawings.

Q2,Q7,Q7 Dirty Of Tanky

Two (2) integral dirty off lanks of an approximate capacity of 960 lifers each are to be built in the biliges between frames 24 and 25. They should be fitted with manholes for inspection instelles and tenk connections.

92.07.08 Sydponite Oil Tunks

One (1) integral hydroutic storage such will be fined. Sine and bounton to be determined.

Hydraulic reservoirs for the part and sibd thruster systems and main hydraulic pack are to be determined.

02.08 Anchor Herdware

I'wo (2) anchor chain attachment points are to be installed in the lower chain tocker with release pine acceptible via an opening halch of pull mechanism.

The windlesses and chain stoppers will be installed in deck lookers with tacking deck hyprins.

42.00. Foundations for Deck Equipment

The structural reinforcement in way of all dock hardwore will be determined by the Builder.

57-19 Foundations/Heinforgements

Hagines and variable pitch propolice familiation are calculated in accordance with Clara Rodes with consultant.

92.11 Hull Openings

The following is a provisional list of nucltinery space half fittings. Please see drawing: Geo._CO3_freeboard_drawing

Port Hull

- I" Overboard Lascerette
- I" Overboard Aft Chaest Association Bilgs
- I" Overbeard Engine room fwill
- 2" Overbosed Rogine room Part (Emergency Bilge Discharge)
- 1" Overboard Pwd Guest Accommodation Bilgs
- I" Overboard Fore Peak
- 2" Overboard Aft Guest Accompositation Hilgs
- t" Overhoard Engine Room Fwd (Hydraulic oil cooling).
- I" Overboard Epigine Rosen Midship (Water Maker Back-flush);

- 4" Sea Chest Suction Hugine Room Fwd (Inhean) & Outbourd Hull)
- 3" Overboard Engine Ruom Aft Gulboard Shell, Below Waterline (Main Engine Wet Extense)
- 6" Overboard Engine Room Aft Onthouse Shell, Allow Waterline (Main Engine Dry External)
- 2" Overboard Engine Room Aft Outboard Shell, Below Waterline (leboard Generates Wet Endowst)
- 3 1/2" Overload Engine Room Aft Outboard Shell, Below Waterline (Inhord Generator Dry Exhaust)
- 2" Overhoord Regime Roums Aft Outboard Shell, Below Waterline (Outboard Generator Wet Exhaust)
- 3 1/2" Overboard Haging Room Aft Outboard Shell, Below Waterline (Outboard Generator Day Exhaust)

Schol Holl:

- E" Overboard Lagerette
- I" Overboard Aft Crew Astronocodation Büge
- I" Overboard Engine room Pwd
- 2" Overhaurd Engine room Fwd (Emergency Rilge Discharge)
- 1º Overhound Engine room Midship (Oity Whier Separator)
- 1" Overboard Fast Crow Assortion Bilde
- 1" Overhourd Fore Peak;
- 2" Overlanged Aft Crew Accommodation Bilge
- 2 1/2" Overboard Engine Room Aft (A/C Chiller Cooling)
- I" Overhoard Engine Room Middleh (Water Maker Back-Bash)
- 4" Sea Chest Suction Engine Rosses Fard (Inboard & Outboard Hull)
- 3" Overboard Engine Room Aft Outboard Shell, Below Waterline (Main Engine Wer Exhaust)
- 6" Overboard Engine Room AR Outboard Shell, Above Waterline (Main Engine Dry Exhaust)
- 2" Overbrerd Togine Room Aft Outboard Shelf, Bolow Weterline (Outboard Generator Wet Exhaust)
- 3 1/2" Overboard Engine Room Aft Outboard Shelf, Below Waterline (Outboard Generator Dry Exhaust)

Wat deck;

 Cockpit, deck forbers, tender compartment, passagers ay and forward tocker drains as required by the Rules.

H2.13 New Yulo

Two (2) Amuziech "E≱sy Stern Tube®" sleaft systems with seels will be constructed into keel as per desiduarings.

02.14 Wetertight Rulishand Panetrotions

All witholight and gas tight percentious of pipes, exhibit and witing are to be as light as possible.

Type:

Rise or equal

Approval:

By approved

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Yan Peleghern & Lauriot Provint Naval Architects

03 STEERING INSTALLATION

03.03 (igneral

The yacht is to be provided with an efectio-hydraulic steering system with helm wheels and lever control steering starting breated at the port and still flybridge steering stations and lever control steering. Government station is accordance with Class conjugates sets.

The steering system is engineered and specified by Jastone Engineering, Ltd. The following table components are listed and details specified in quotation IQQ41237A are attached by (Appendix A)

A walk around maneuvoring plug-in device to be provided from the upper degk,

Minisfestners: Jastem Engineering Ltd.

lastran specification: B2-300-9-1-35

Type: Biocen-bydraulir.

Runder angle: 35/35

Rudder forque: 4814 filb per radder
 Turning rate: 12.0 sec (35/35)

03.02 Speering Principle

The two flyshidge both stations will be operated by digital coupod belonguits with segming inflormation to the digital steering controller. The interior steering system will consist of a full follow-up and non-follow-up tower integrated with the digital steering controller.

03,02,01 Exterior Hetms

Two (2) custom built steering wheels will be installed at the Hybridge helm stations and appartured to the Owner's selection of style.

Manufacturer: TWD
Material: TWO

Diameter: 1960 and Type: Spokeless

Relin actuatore: DESG digital below

\$3.63 Raddees

You neither blode will be built of carbon fiber. The stock will be built of Agenmet 22 HS and the internal fail displacement will be built of ANSI 316L, or as determined by the Architect. The hower stock diameter is 2000 mm and the upper stock dispactor is to be determined.

03.64 Wheel Rudder Transmission

The maximum radder deflection will be 70°, band over to hard over with a maximum steeting wheel transmission will be adjustable.

Tilless: Two (2) 13-309

Cylinders: Two (2) B-300-12-37-2

0305 Power System

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The system will be an electro-hydrardic system with dual steering motors and cross-over valves. Steering motors will be located in each largestee above the guides and out of the bifge sees, to the rudders. Attention will be taken to climinate noise and vibrations from the steering system.

Hydraulie Pavá:

Twee (2) 7 hp @ 208/5/60

· Weight:

TRD

Controller:

Two (2) another starters

Weight:

IBD

Alorm Poxel:

Four (4) AP-66

93.06 Rudder Shaft Hearings

Each sudder is to be supposed by a minimum of two (2) self-oligaing bearings.

· Upper lunging :

TED IPI

Lower bending:

200 mm IP3

93.97 Piping Systems

Piping systems will be high pressure stainless stoot tubing. Tabing will be bead blasted in visible areas.

Tobing grades:

AJ\$1316/ASTM A269-04 in equal

03.08 Emergency Streeting

Espergency steering is provided by means of a hydractic steering pump system with competing valves to each nucleur system. The steering pump is to be located in an aff main deck located.

63.99 Autopilos & Gyro Xystem

Subject to integration with steering system and lastest equipment models, the adoption system with consist of:

Соптролеці

Manufacturer & Model

Gyrocompass

Anschutz: Standard 22 G/OM

Autopilot

Ansthulz: Pilotetar D

For finition details, phease see the attached Larry Smith Electrocies proposal,

B4 MAIN ENGINE INSTALLATION

04.01 General

The concept of the markinery space is to be executed with a high level of fluish detail, including glossy point and highly polished or bead blasted metal finishes. As such, the engines will be ordered as "Detailed" engloss, complete with change and polished stainless steel finishes.

The Bodder, with approval by the Architect will confirm the final engine specification, reduction gear ratio and propeller size prior to construction of the vessel.

The engines will be IMO MARPOL Arquer VI compliant and arranged in accordance with Class and SOLAS regulations in-1/Part it and additional requirements for periodically numbered anotherway spaces.

The propulsion system will be a twin engine, variable pitch propeller system. The system will be designed with a 'maxemering' made in which the engines will run at a constant run, with about/astern manuscrosing provided by the variable pitch propeller control. The hullder will work with the Architect with the sizing of the dataster hydraulies to determine the power demand so that sufficient power is provided.

The engines will be accompad with ementivering controls from all befor positions. The engine instrumentation for the holm mathems will be provided on an electronic monitoring system.

The Builder will consult with a series and otherion consultant to assure that the entire projection probage (engine, reduction gent, propeller system, mounts and exheust system) are optimized for noise and vibration control.

04.02 Majo Engines

The main engines are as follows:

Mnnufacturer: Caterpillar
 Model: C-12

Specification: Inline 6 cylinder, 11.931, 4-Stycke

Power: 454 Jay @ 2100 cpm

Rating: "C" Rated
Weight: 1177 kg

84.99 Engine Equipment

The engines will be fitted with appetitled Standard Equipment, plas:

- Engine monitoring system with interface to the vessel monitoring system.
- Local origine instrument display system in each engine room:
- Throttle position remape
- Gear box PTO with somete activated clutch.
- Aircop® oil vapor trup and air filter
- lixpansion tank
- Ogwonickel heat exchanger
- Screwitter putting and judet and outles councetions.

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- Crassishaft putter
- Gear oil cooler
- Lube of cooler
- Double well oil line?
- Pochod content
- 24 VDC starter remotes
- SAE-1 flywheel boosing or as required.
- (Single) fuel filter and waste separator
- Consections to all change system
- Spare pares kit (2 esch).

04.03 Georgians

The reduction year dues not used to be a reversing gest as the pitch control will provide maneuvering. The following gest is listed as a guide only:

Manufacturer:

Twin Disc

Model:

MO 5154-A, or as appropriate

Ratio:

TBD: preliminary data: 2.5;1

Weight:

206 kg dry

SAE belt languing:

TED

- Blegmania gluigh control
- Engine-matched torsional coupling
- Heat exchanger
- Connections to oil change system

ll4.05 Englesgeents

The each helm station will be equipped with monitor panels that display full engine and gear data and propeller pitch data and alarm status. This will be purt of the vessel maniforing system.

Each cuging focusion will also have a proclamical gauge package, including pitch position indicator, this display with be independent of the monitor system.

04.06 Cantrale

Engine controls are to corrupty with Class and MCA requirements,

Engines are to be marted & stopped from local engines room control and the flybridge stick helm position (TBD).

Primary englac, genthox and propeller (sitch couldn't see to be available from all help electing stations by an electronic system.

Monofactuser:

Bosch Respoth Mini-Mores.

As required by the Rules, back-up (regins control systems are to be provided for local engine runns control.

The variable pitch propeller control system will be approved by the pitch system manufacturer. Control is an electro-hydraulic system drives by the Lewman Communities fifty or hydraulic power pack as specified in Part 972 Hydraulic Systems.

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The engines and controls will still be provided with a reverse reduction gent controls in event of the pitch system to fail.

64,97 Elastic Couplings

The main propulsion installation to be equipped with clastic complings:

Between motor and geathore

Massulactorer: TBD
 Type: TBD

Between gradiest and pitch system installation:

Manufacturer: Amartech
 Type: Sii2840 DA

The specific model number will be decided after calculations.

04.08 Exclusion Mounts

The engine/gention will be flexible mounted on four (4) rubber mounts.

Magnutherhoree; TIBD
 Type: TIBD
 Weights: TRD

04.09 Propeller Installation

The grapeRet dutil be a variable-pitch peop. The graciest will be sized to have a assument of 900 also RPM with a 900 can. Slatester propeller. The propeller tip elecanose will be nationalised at a continuou of 20% of the propeller diameter.

Line cutters will be provided for each propeller.

System quotation information is attached.

Massificationer: West-Mekan (supplied by Arrantech)
 Type: 80 EHWS

Propeller: 4 blade die TBD

Designed operating pitch: THO
 Shoft disputer: 80 toru

Shall length: 4000 ~ 5000 snot estimated

Propeller material: Ni Alifer.
 Shuft material: 1.4460

Pitch control.
 Lowman Communider ISPU controlled

04.10 Shaft System

The shaft system is to be provided by the pitch system supplier. The propeller shaft provided with a Professal, or equal and standby shaft soul.

Cathodic protection will be provided for the shaft system.

84.11 Exhaust System

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The main cagine exhaust to consist of a by-pass, water drap system as specified by Smanlown Corporation. The exhaust by-pass will exit above the waterline with the main exhaust exiting below the waterline. Both rileapers will be fitted with water draps and drain lines if appropriate.

The exhaust system will be provided with all the necessary appendages, soft mounts, compensators and alternous for optional results including taps to assume temperature and backpressure.

Riser. Metralf Marine Exhaust

Material: TBD
 Weight: TBD
 Silencer: Saundown

Model: ED19 a 32G voice drug.
 Ploors: Trident Red Stripe

fluit valens: Type, AR)

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GEMINI Project Contact Specifications

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05 GENERATOR

15.03 General

The Builder, with approval by the Architect will confism the first generator specifications pending first had analysis before construction.

The engines will be EWO MARPOL Annex VI compliant and pransped in accordance with Chas provincements.

The Builder will consult with a noise and vibration consultant to assure that the entire generator package (cogins, sound shield, propers and exhaust system) are optimized the poise and vibration control.

Printary electrical service will be 208 volts, 3 phase, 60 Hz.

93.02 Generalus Sots

The generator installation will utilize three (3) identical generators with electronic control which are to be integrated with an automatic power management system as provided with the electrical panels.

Due to the space requirements the two generators mounted in the post engine room, will be mounted in a single custom enclosure.

05.03.01 Generalors:

Manufacturer: Northern Lights
 Type: M1064D

Rused: 40 kW (60 Hz. 1866 mink

Weight: 847 kg (dey)
 Sound Shield: Nordere Lights

South Shirk weight 265 kg

Sound shield dimensions: 2054L x 965W x 1159 M

05.03 Equipment on Generator Sers

The generators will be provided with the following equipment:

- Raw water premp for cooling
- Wat exhapst elbusy
- Z4 volt isolsted ground system
- 24 VDC starting systems
- 24 VDC electric gauges
- Ejectric shutoffs for Oil press, Water tomp and over-speed.
- Off level gauge and sender
- Soferavid shutpff
- Paralleling tot
- Cupso-nickel hapt exchanger
- Julio ait cooler
- Connections to eil change system
- Pick filter and water separator
- Digital tackonserer

CEMINI Project Contract Specifications

Van Peteghern & Lauriot Prévoge Navul Azohitects

- Double wall find lines and deain
- Resilient mount system as specified by Silent Lina B.V.
- Space parts kill; 3 total

05.04 Instruments and Controls

The generator sets are to be controlled at the electrical panels constructed by Atlas Marian Systems with an automorphy starting & paralleling function.

The engisters and electrical system and their status are to be mentioned by the vessel monitoring agreement and also by gauges measured of the generators.

05.05 Exhaust System

The generator extracts systems are to consist of the components specified by Smanlown Composition. The exhaust systems will a water drop system with gas exit above the waterline. The few points and sitemests will be fixed with a drain. The overland sitemest will be fixed with a drain. The overland sitemest will be fixed with water drop.

The extensi system will be provided with all the necresory appendages, soft mounts, compensators and sitencers for optimal results including taps to assessme temperature and lacknesses.

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46.03 General

The vestel will be provided with retractable how and stem thrusters , located as per the drawing T 13. The densites will be controlled from both the part and ethal pybridge stempty stations.

The port thruster(s) will be powered by the post main engine PTO hydraulic gauss(s) and be independent of the starbourif side flutters. Likewise, the stad side flutter(a) will be independent of the part side thrusters, he powered by the stird stain engine PTO hydraulic paintp(s). Pending final inestion of the hydraulic power pack for the salling systems, one through system will share a vonumou reservoir with that Lewinar Commission HPU.

The Builder, with appeared by the Architect and Project Manager will confirm the figal thruster specification prime to construction of the vessel.

96.CZ Thrusier

The foot (4) denoters will be rehactable:

•	Manufacturer.	Levensur
•	Model forward:	SOO SYEAJA
•	Power:	ج <u>وا</u> 75ج
٠	Weight:	3 (8 kg each
•	Model aft:	400 SVIAH
•	Pawer:	≥60 ჩე
4	Párósta:	Aleminen
٠	'06 zágita:	230 kg sach

26,03 Cannots

Main activation will be compalized from the flybridge slad holor station. Back managerering station wift be provided with control sestions. See also Steering for third control.

All thrusters will have variable power, full-follow-up council and have independent operation between bow and stem.

116.05 Egwer S<u>upple</u>

The part side thrusters will be plowered by part state engine driven PTO pumps. Likewise, the what side threaters will be powered by the sites use to engine attiven? YO primate.

The Builder shall assure that the pressure and Row requirements are invariant with the зицийей римет.

 Menufacturer: 	TRD
 Jąsoupca: 	Х
 Specification; 	Size 180
 Weight: 	х
 Pigg reservoir: 	X
 Sibil tustituoja: 	Х

28 April 2005

हरत ५० ६६ जीका

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witnessly only as hostivors as morroson situative does not harbying as the situation without

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Case 1:08-cv-06334-LAP

Filed 07/23/2008

ANCHOR SYSTEM **67A**

The ground sockle is to most Bureau Verital Rules Nr 381 Section S.3 Part III. The preliminary Equipment Number is 243. The Builder is to confirm the Equipment Number and size of the equipment with Class,

The authors and their fundling systems me to be installed in well decks under the forward dock and fit with flesh hatches. The windlesses will sit over the chain lockers at the hallo with 90° rollers to lead to the anchors at the conscribio. Compression type chain stops will be provided. While at anchor, the vessel will lay on a brillle system attached to the forward beam ends.

The Builder will mack-up the anchor familing arrangements to assure function of the system.

07A.01 Anther Winches

<u>074.03.03</u> Primary Winches

Two (2) hydraulic anchor winches with chain gapsias (only) will be installed in recessed foredeck wells with hajohea. The windlasses will not have capatans. Controls will be on the foredeck only. The windlesses are to be reversing. The Builder will assure that the windhaues are expedite of handling the section and chain.

•	 Manufactores: 	Мий
٠	Турь:	VRC 11900
٠	Weight	275 kg
*	300000	Hydraulic
+	Flow:	53 Jano @ 175 bac

074.01.03. Chain Equipment

Clinin compressor scoppers are to be provided and are to be of like quality to the anchor windlesses.

Chain Lockers 87A.02

Two (2) reinforced chain lockers with claim pipes are to be liabricated inhoned on each bulles. per the drawing: T02_Anchoring Assungement. The lockest are accested via side lanches. within the hall and provided with denies to the lower coresps.

The chain lockers are to be lived with a replaceable and specificial protective lining.

There will be a quick release pin or link at the bitter end to release the code in event of ensengency. This gip will be accessed without opening the claim looker.

Anchars 07A.03

074,03.01 Primary Anchors

•	Manufacturec	Western of edual
•	Number:	Two (2)
•	Type:	Plough; High Holding Power
•	Waight	432 kg
	Adutorials	Bead blasted plainters steel

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Van Pereghera & Lauriot Préviet Navai Azchitects

Certification:

BV Class or type approval

874.83.92 Third Anghor

A third anchor will be easied in the dive locker with rode stowed on a real.

Manufacturer.

Foreress

v Weight:

FX-125

07A.84 Chains

For the printery ambour.

Magnafaceusper;

(fortostales es especi

Majerial;

Stainhess steel 20:5 mm sand Tain

Chán size:
 Grade:

Q3

Longth vach rode:

§50 m (492') por auchor

Certifications

BV Class or type approval.

For the third anchor:

25° ½° SS Preof coil elsein x 160° 1 ½° sylon redê

97A.03 Chain Wash System

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The chain wash system will operate from the fire main system. In addition, there will be a flesh water system have in the foredeck looker.

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GEMENT Project Contract Specifications

Van Peteghept & Lauriot Prévest Navel Architects

<u>unce a fire fump system</u>

878.01 General

The bilge and fire prump system is to comply with Class requirements.

The piping systems are to be designed for maximum life cycle. Thus, we have selected 93/10 Copper Mickel as the metaflic piping material.

"The bilge pumping system will consist of eight (8) Independent pumps, one in each compariment. The bow compariment (forward of collision hulldhead) will durin into the bow locker communitation to a menually operated valve with result ted to the upper level of the bow kucker. Emergency promps will consist of cogine driven pumps or the fire pumps with engine mous socion. Pushps are to be located in a way to minimize standing water.

The fire main will consist of two independent pumps, one located in each engine mann.

The vessel will also be provided with independent engine room FM-200 fixed fire fighting systems. Schensatics of the bilge and fire systems and operation procedures shell be posted at दसदीर एक्ट्रक्सिसंस्थ्र करूत.

0YB,Q3,02 Hull Watertight Compartments

Each hult is divided into five (5) waterlight compartments:

- **Готореак**
- Forward cabins
- Mochinery space
- Alti cabios
- Lazzaeise

078.02 Bilge Algems

Each comportunces will be fitted with a High / Nigh-Nigh bilge water alarm connected to the minniq panet. The operating system will be provided for within the vessel montany and Michie system. The pumps will be mornally operated.

٠	Level Alarm Manufacturer:	GEMS
٠	Туре:	LS-240-3
4	Number:	10

078,03 Рижих

078.03.01 Відде Ринуда

•	Nancostacturer:	Circulation
•	Number,	% (ಪ್ರಕ್ಷಿಟ)
•	Type:	States II EF 75
٠	Rating:	63 gpms @ 7.9 m bead
•	Power:	3/4 hp; 208/60
•	Woight:	

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Vnn Peteghem & Laurint Prévont Naval Architects

<u> 978.03.02 Гуго Римпь</u>

The fire pumps will be titanion, varietal contribute pump as follows:

Musufacturer: Grandfor
 Number: 2 (two)
 Type: CRT 16-30

Rating: 14.75 cr3/hr @ \$4.85 M (65ggnc@180ft)

Power: 7.5HP topsor, 206/3pb/60hz

Weight: 63.5 kg

978.03.03 Emorgence Bilge Pamp

A postable pumps will be provided, in accordance with the Rades.

Type: Graphies
 Model: Series II 107 75

078.84 Piping

All piping is to be usualise within the nuchieury space. Bilge piping counties of the engine rooms, where permitted by the Rúles, will be placed or composite. All tire main piping will be metaltic with remote operated inclation valve at each sugme room hulldhead as required.

As could in OTA, the analyse wash system will be provided by a piping connection to the live train against.

As international share connection will not be provided.

UZR-04.01 All Engine Room & Fire Main Fining

Manufacturer: Yard choice
 Alfoy: 90/10 Ca/Ni

Standards: Class 280, AS\$(M B466)
 Working pressure: 13.7 bar (200 pai)

Note the larger districter from the sibil fire pump to the anchor wash section. This diprocess is larger as this pipe section will be highly used and the perpose is to minimize water velocity (impiagement correspon).

67B.04.02 Bilee Ploine Outsidy Engine Room

Manufactures: Yard choice

"Type: Alienimum or ASTM B466 ABS Plastic as

approprinto

07R,95 Hoses and Nortles

Hoses, how storage and possible will as specified in 67E.04.

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तारवेश्वर सर्गावरप्य अपि वर पूर्णकुर्येत व्यवकारण विराम श्रवप्रधान उपारक्ष्मण् वश्चमानेक्सी तीरंगः

Controls and monitors will be provided as required by the Rubes.

Bilge pumping will be provided receive operation fixed the solou belon abilion.

hadivery an live bas group stil fass. milities leanns yng menet belaving at live symme aif i

382 F × 200 D × 1550 M

राजास्ट ग्राव्य भिगवस महिन्दी

09/1/021 FASX SV"

As wily realer separatur will be provided for each engine rount as required by the Maics. The

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Steriooff & Hanne

Экимина

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Dir Water Separator

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可能的外

(1)20c;

20 H20

90°448

GEMINI Project Contract Specifications

Van Peteghem & Lauriot Prévuet Novel, Ambiects

OIC SEA WATER SYSTEM

The installation of the sea water system should meet the Class Rules.

The piping systems are to be designed for stanismen life cycle. Thus, we have selected 90/10 Copper Nickel as the appealing piping contents. If the Builder proposes a different material, the cost different and life cycle design will be provided.

UTC:UZ Sea Chests

There will be two integral, vented see clearly to each engine more, fitted with hell screens and see volves as per the drawings and schematics.

UZC UZ Sea Stealment

Sea Studiers will be fitted to the lent volves. All strainers will be provided with a blow-back connection from the compressed his system and year pipes.

Manufacturer: Gleptech or equal.

Type: Simplex with binged cover

• Model: 820 – 4**

Material: 90/10 Cubi body with 36/70 Cubi (award) backet

07C.93 Hall Valves

Hull valves are to be butterfly valves. Materials are to be the best properties for life cycle and resistance to surroution:

Menerinatures: Keysture

Type: Butletfly; log type

Dimmerer;

Body Material: Nickel abunium bronze or iron

Steps Material: 316
 Disc Material: AlBr

07C04 Pining

The builder will use the following guidelines for the piping system:

- All seawater piping and valve arrangements use to be in accordance with Class Rules.
- Flexible connections to pumps and machinery to isolate vibrations will be provided.
- Where possible, isolation or flexible connections about the made with factory lease and fittings ar bellows sections. The use of hose clumps will be maintained.
- Mobilic piplog will be provided to all distribution valves connected to the sea cheat and
 overboard discharges. Where permitted by the Rules, thermophetic pipe is to be used for
 broach systems to oir conditioning, water makers and auxiliary systems.
- Muid velocities are not to exceed 3.6 m/s (12 tVs)
- Piping system to be function tested in accordance with BV Rules for the Classification of steel ships, Class E, Chapter 21, Section 3. The maximum test pressure to be 1.5 times the working pressure.
- Stroker much holes to be a maximum of 3 cmm (1/8").
- Spindies of sea suction valves and discharge valves below the load line are to extend above
 die floor piates or by other means be easily accessible.

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GRM(N) Project Contract Specifications

Van Potoglosen & Louring Prévont Naval Architects

- All pipe work in stamess 90/16 cappo-nickel to MIL-T-16420 Class 200 unless noted otherwise.
- All pipe sizes specified in the schematics are nominal bare in inches & class or schedule.
- All pipe connections to be 900 to class 200 capro-nickel but welded fittings upless pipe section is required to be reserved for maintenance.

Yard choice

- All pipe connections in removable segments to be ANSI 150 flanges or as noted.
- All pipe work to be adequately protected and supported.
- All flexible hoses and bellows are to be HV type approval.
- All sea water piping shall be marked with the pure describing the system.

07C.04.01 Metallic Piping

សំខែរបស់ជាដូច្នេះ:

Ašlose Copper Nickel 90/10

Strontarda: MiL-T-16420 Class 200, ASTM B466

Working pressure: 13.7 bas minimum

07U 04.02 Thermoniastic Pipe

Manufacturen Georg Fischer of other

Type: ABS plastic or Beto Polypro (thermophysic)

Standards; DIM: 8077/8878 sync E Working pressure: 13.7 bar minimum

Water Makers

See 07D Freshwater systems.

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g7DDRESH WATER SYSTEM

The forth water system will comply with Class Rules as applicable and the World Health Organization and US Public Health standards for water quality.

If the Builder proposes alternative equipment and piping system, the Builder will provide cost and weight differences.

07D.01Fresh Water Tanks

These will be two (2) freshwater make located in the center hall. Total expacity will be approximately 8000 liters. Tanks will be interestly costed with a Coramkote paint system.

£72.92 Feest Water Primus

Two (2) fresh water pumps will be manifed, one in earth water tank. The gumps will be provided with the Headiguster control sensel.

Manufacturer: SUBPAC Number: two (2) Model; SPX-2273-230 9t keen @ 2.7 km (24 gpm @ 40 psi): Retings

Foregr: 4.9 apps @ 208/3/60 Dimensions:

Weight: Bkg

Control Panel:

Manufactures: SUBPAQ Number one (1) Model: CU-300 Diagrations: X Wasijac ું હ્યા

<u>07D.03</u> Water Beating System

The vessel will be supplied with two (2) souter lembers, one located in each hull.

The Builder will propose utilizing a waste heat recovery system from the generator closed cooling systems.

A re-circulation system will be fitted in the hot water delivery in each hull. The upper deck hot water supply will be from an efectric, limitant has water heating element.

Flot water beaters:

•	Manufacturer:	Multibell filesters
•	Number:	tara (2)
•	Type:	ME 50-5-5CSR
•	Capacity:	S0 gaš (190 l)
٧	Power	dual S kW element

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Van Peleghein & Lauriot Prévost Naval Architecte

Dienstaßduch:

TBD

Veight

1BD

0717.(H Piping

All field water piping to be an ABS plastic, or equal system. All list water piping will be insulated to protect against heat loss and prevent awealing.

Manufacturer;

Yard choice

Type:

AHS

Working pressury;

13,7 bar (200) psi)

07D.05 Accessation

Mixtures and finitures for guest, officer calpins and luxury areas are detailed in Part §2 Interfor Concepts, and include:

Ares	H/C sink	Н/С яврячея	Totha	H/C tap	Cald base ()(f)
Owners state;	<u>l × </u>	<u>X</u> i	. <u>x</u>		
VIII cabin:] × i	×	_ x	``	
Post guess:	ж	X	x		
विति काव्यः	\$ x	X.	K.		
Alit guest:	X	X	x	T	
#3 trew:		*	x		
Laudry:	×			3	
(Satley	2			3 3	1
#2 spew;		X			
#3 crew:	x	Y.	X		
Capt cabins	<u> </u>	Х,	*		
रेक्त हाड़ mom:				Т.	У.
Sthd ettg room:]		:···	X .	. x
Saban Bac:	<u>x</u>				
Flybridge bar:	<u> </u>			Cost only	×
Pusedovk lockur	į <u>.</u>				д
Main off deck					ħ
Post lazarette:					×
S(bd lazarette:					
Роп вамо;		<u>*</u>		L	
Sthd countries		* .		<u> </u>	

Notes:

- Here connections will be concented to lockers with the ability for base connection to be easile with the topker closed (base lip in hotch cover).
- 2. Transmit shower details to be decided with Owner's Representative.
- Whether tisted to not, the Patitles will provide required book ups for all applicances.

970.06 Water Filter

One water filter will be mounted at the discharge of the water pumps.

Mnzusichura:

Neo@bagder

Type:

HF-7304L

Ven Pengheto & Landiot Provost Naval Architects

Weight

15 kg (shy); 36 kg (wet)

Dlinessiaus;

\$78.67 OY Sterliter

A IV significan will be assumed at the discharge of the water filter:

ж

Manuficturer: Headinater
 Type: UV-40

Power: 140 watts @ 208/p60
 Weight: 16 kg (dry); 22 kg (wet)

Dimensions:

(7)).98 Tank Filing

The fank fills are to be located on the side deak in the first tank 50 lockers. The fills will be closed with a screw cap and be 32 mm H).

0712.09 Water Makers

These will be two (2) water reakers, located in one engine town, inclalled with proper connections to electrical supply, water intake, cleaning system, product distribution and introduction for distribution and introduction.

Manufacturer: Res Recurery
 Model: AWF (800-2)

Copacity (each): 6814 tpd (1800 gpd); 284 (ph (75 gph))

Power: FLA: R @ 2007/(60
 Dúnkristions: 845 % x 508 d x 432 b

• Waight 77 kg eo¢b

The units are to be fined with the meessary components per manufacturers' standard supply. Optional equipment is to include:

- Elecals water (laish
- Afedia Filter assembly
- श्वित्री मार्थका ध्वादे
- Clean since panel
- UV sterižiner
- pff neutrafizing filter
- இன்னின்க

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GEMINI Project Coopers Specifications

Vita Petegbena & Loodisk Prévou Navak kerdineau

07E FERR PIGHTING SYSTEM

The fire lighting inventory will comply with Class and MCA Large Yocht Code (LY2), as appropriate to the vessel and its organization.

07*E.01* <u> Pire Detection System</u>

The fire detection systems is to comply with Class and MCA requirements. Fire and smoke detectors are to be fitted in each separate zone, with audio/visual elemeand display panel on the missis panel and other areas as required by regulations.

Manufacturer:

DMP of Consilium Marine (?)

Турса

C\$400

Desectors:

As required by the Rules.

0782.02 Sau Water Fire System

A fixed fire main system with three (3) fire stations with combination awarter and house is served by two independently drives the purps located in each engine compartment as specified in section 97B of this specification.

thy fronts are to be all connection type, then with boses on stainless story eachs, the sixe and quantity as required by the regulations.

The entities of hoses with notation required shall be provided to the satisfaction of the Adualnéspajáko.

Fire stations are listed in part 67B Fire & Bilige System and Schematic and are at follows:

Station	Location
1	Main aft deck
2	Main forward deck
3	Cropper etecto

97E.04 <u>Sea Water Fire Stations</u>

The fire stations will be provided with the following equipment:

Mareriactoria: Powhattan or Accor-02464 1957

Type:

18 es (591) mardanesi Leoguba Diameter: 45 ธนาย โดยส

Negration: 19 mm jet/spray

12 mm jetkutsy for interios omes.

F2F 10 QE 2984

28 April 2095

	§	स्थानकांक्ष्र्यम् । इ.स.च्याकांक्ष्र्यम् ।	LOLVT
	00Z-Wit :	1	वास्त्रावरणा विद्याद्व
成 り	FM-260		अध्याहस्य प्राप्त्
C-30	002-Wil	1	Re saides not
0270	602:349	1,,,	िकस्तावर हार्यस्त्र <i>गाव</i> री
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C-100-C-30	BACTO		EHNOX WINGING INDA
C*99	134-200	[Creay quarters all
	1	1820129 4717 2	
001:0	002-MJ (1	Castley
65-5	FAG-208)	1	Taunel
02-3	0007793	1	₹105 dEA
G-30	602-345		อภิมร ฮ าจุกหนั
0510	G02-154		รูษฐา
Q.70	F14-200	[ीक्षीरम स्वेदह वह वृत्र
(apate)	34(7	Quentity	3.com/kaa
	<u> </u>		

 $51~\mathrm{m}^2$ (1900 M^2) each comparament

90 328

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<u>់ ដូវប្រជនសាវ សាស្ត្រប្រើអ្នកស</u>្ត

इस्स्कृतिकामामञ्जू शाम श्रीवृक्ताचा

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ल्लाम विद्याप्तिस्य विद्या

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That it can be sufficient to begin the base of the prival at or me ancies set for

ोक्ताकान्योग्रेमक्रमात इत्तर्वाक्ष्येत गर्व कार्यक्षेत्रव्याच्या स्थी पूर्व केल्यांग्रह्म इत संस्थात हिल्लाका

काकरः क्यांकुष्ट रोजक की याकावस्य प्रतायिक्वी कांचे ध्रम्भात्वकृत्यमं विवेश प्रमाणि वर्षे (संभ जिल्लाप क्यों)

इक्कान्तर प्रवर्गाना - कार्य क्रियोचे व्यवका देवीयात्र

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OUT-MAT

क्ष्मं क्षेत्रकहरू

97P <u>UNEUMATIC SYSTEMS</u>

These will be two independent presumatic systems on board, one for the dive compressor system and our for the form insufficient, he addition, there will be an energency cross-over-borrown the gir lawn moreiver, and dive compressor system.

- Air home system
- Dâye compressor systems
- Distribution piping

978.01 Air Elorn

The sit bone will be a Kablenhery supplied system.

:	Manufacturer: Model:	Kohlenberg T-2
•	Hom.Controllers	M-\$11A
•	Remote stations;	(2) M-(31A

 Configuration:
 Kabisaberg

 * Model:
 KA2000 (M-less

 * Power:
 9 kW 208/1/60

Delivery: FAD @ 8 bar: 88 (pen (3.11 whn)

Air Seceives: 34-188
Cappedigt 2,63 82 (19.7 gel)

Tetal Weight: 50 kg

97F.82 General Pagamatic System

A general precentitic system will be provided with oir distribution system located to all rechoical areas of the vescel. The six supply will course from the six horn received. Heavy connections will be by Parker quick connect fittings. Air delivery locations:

- Ugper dook fecker
- Paradeck tocker
- Poit engine room
- Sibd englise more
- Part lazaredo
- Status based in
- Cross over after

07F.03 Diging Air Systems

The dive air systems will be supplied by the Builder and is to be as specified by the Owner's Representative.

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Van Pereghem & Lauriot Prévust Navul Architects

07G WASTE WATER TREATMENT SYSTEM

The value water transment system with comply with MARPOL Almex V and 33 CFR 151 regulations.

The expression of the waste water meathern systems are as follows. Please see the Markot. scheoptics for layour.

- In each half, black mean will be collected in two sectioning tanks (one find, one will) and
 transferred to a holding tank in the local. From the holding tank, the treatment system will
 treat waste before discharge. The holding lank can also direct discharge anythrand or to a
 deak group out station.
- In each half, gray water will be a gravity system, collected in two receiving pump units and uncoferred to the bolding tanks in each respective built. The holding tank can also direct discharge questioned, to the other built or in a deck pump out station.

07G.01 Pining System

The waste water systems are to be installed according to the schematics. Requirements are as follows:

- The slope on gravity Boins is to be a salutional of 1:96.
- Pining to be in accordance with BV 2003 Rules: Part B, chapter 21, section 3
- Test pressure to 3 but
- All yiping to have subject welled joins unless connected to equipment or providing for service access.
- All disins will be provided with your pape.

Piping System will be:

Type: ABS
 Selection: 40

Competitions: . Solvetit weld or

Booket प्राचनाड

07G.02 Sump Printer

Samp pamps will be isolated from the half and provide transfer of gray water. Each pump will have a level sensor and comput system for transfer to the holding tank.

• Manufactions: Headhunter
• Model: Chiptel CHX-AC

Nomber: Vous (4)
Capacity: 196 Ipric

Power: 3.5 app @ 203/60/1

Weight 14kg

07G.02.02 Strap Tank Pump Cantral

The samp pumps are to be filled with both automatic and manual switch course from the vestel's control and monitor system.

Q7G.Q3 Galley Sink System

The gilbey shift drains will be provided with a materator and grease containment system. The materators will be teend at the sink. The grease grouper will be managed in the still engine zoom with easy occurs for cleaning.

Manufacients:

Nesdiunter Greaterrower

· Model;

GGE3.5

Power;

20 amps @ 120/6B

Weight;

10 kg (22 lb)

Macesano

Monufacinter:

TBD

→ Model:

TBD

Power:

2 ஊருக் @ 120960

Weight

10 kg (22 B)

0741.03 Tailet system

The trifet system will be a jet flush system, appelled by the pressure fresh water system.

Manufactore;

Hearfhanter

Nambet:

Ten (10)

Type:

RFA-02; Aero Wall Mounted

Fluide units:

AK-24

Weight:

25,4 kg

Note: the owner's suite and VIP suite will have the bides accessory provided.

07G-05 Rivek Water System

Each high will have non-integral black water collections trake as per the drawings. The lanks will be provided with linear blowers for pre-treatment and actation. The collections tanks will transfer to the limiting tank prior to the treatment system.

Couled systems and manifers will be supplied by Unadlamest-

The Builder will be responsible for:

- Proper flow of waste water
- · Supply of nun-integral trails
- Testomal enoting of all tanks with Chambrate

07G.07 Waste Treatment System

Each half will have independed waste water treatment systems.

٠	Manujingtoren	(Reschon)(#
٠	Type:	Tiedad Wester
٠	Modeli	TW-SOLF

Directorions: 18" bigh x 12" deep x 48" long

Power: 4.8 arrays @ 202/1/60
 Weight budget: 82 kg dryt, 264 kg operating

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67G.07 Worte Water Pumpt

Diotal Cray water discharge pumps:

Manufactorer: Headhanter/Grundfos

Power: %hp @ 201/U60

Weight T9D

Black ween knowled procepts.

Monufactures: Headhuntet
 Model: Make M. - 23t

Number: Four (4)

Ромет;
 3.2 миря @ 208/1/60

Weight 20 kg.

Black water geration passipat

Manufauturer: Neadhuner
 Model: BLR L80-330

Yourdier; Four (4)

Power: 0.25 anaps @ 208/1/60

Weight: TBD
 Diffusor: QDFF-24

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Von Peteghem & Lauriot Prévost Navat Archigex

ma hydrailic systems

07H-01 General

The yould will be captisted with four (4) independent hydronic systems. For design purposes, we have divided the systems in groups as follows:

٠	Post half thruster system	1 quoti
7	SGM hall thepater system	Greep 2
٠	Main hydraulic system	(ரேம்மூ 3
4	Steering system	Ottoup 4

Groups 1 & 2, thruster systems, will be independent in each buil, i.e.: Group 1, the post majo engine will drive the past side thrusters and Group 2, the said main engine, will drive the stude side thrusters.

As indicated in part 04 Main Boglass and part 06 Thrustern, the theater systems will be designed in appears with the engines in a "teamervering" mode. The engines will run at a contraint turn with ahead astern astronoming provided by the warishte pileh propelles control. The purpose of this method is that the operator will be able to provide sufficient thruster and engine power without needing to (dis)engage the goat box.

Group 3, the easie hydraulic system, will be a load sensing system, powered by the generators, consisting of a custom power pack located in the part angles room. The exact configuration is to be determined.

The standing system will not be discussed further in this section. Please refer to part 3 Stearing. Bystoms for information. However, all system engineering, part 97H,99, is applicable,

All proves retings are provisional pending first design requirements.

As applicable, control functions will be mounted adjacent to the givest service, with easy occurs and visual contact if operated mountally.

The Builder may propose alternative equipment and design that will decrease the system weights, improve efficiency and life cycle of the equipment.

07H.92 Group Lynchians

97H.02,93 Group 1.

--:-2:2

Group I will be provered by the post main engine with council valves tooked forward of the trades for

- Port bow Genelar
- Post stern thruster

<u>07H.03.02 — Стону 2</u>

Group 2 will be powered by the sibd resin engine with county valves secreted forward of the stigue for:

Stod bos/ (hmater)

Stbd step thruster

97H.02.83 Group 3

Group 3 will be powered by the main hydraulic pack located in the port engine mons. Main feed and return lines will be not to the respective local control valves and blocks as per the schematic.

- Forward disproation will be from the figs dock and not locker aga;
 - Post windfass
 - Sibd wipiliass
 - Port payoring and spinnsker winch
 - Slbd moveing and spinnaker winch
 - Genealest Sutler
 - Inner beudstey finler
 - Outer herebytay fluiter
 - All mast bydraulien
 - Main halfeard winch
 - Mest widch I
 - Mass winch 2
- Upper deck distribution will be from upper dack technical space;
 - Genou captive real part
 - Genea captive reel sibil.
 - Stayerall countive real gord
 - Staysnik captive reel stlx!
 - Main and traveler
 - Post gesakker winch
 - Silici genataken wingila
- erze anerezol dass mort ed Diw achiedatet A A
 - Stbd half side door
 - All albd mooring capelon
 - Sibd Leasette tenger hemms
 - Port transom passerelle
 - Port transpin platform
 - Port tracown step door
 - Aftigant diverting supplies
 Main half fender doors

0711.07 Hydroulle Controls & Manitors

07H-02.01 Groups I & 2

Groups 1 & 2 will operate independently affects other. Each group will be activated from the main bridge surion with first operating control from the main bridge and both Webridge belongering.

The thrusters systems will be specifical on the vessel manifesting and altern system. The monitor functions are:

- Q0 temperature*
- High oil temperature, Alaroi*
- Low oil level alarm, Winning*

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System pressure

linging room moritans and gauges, part and stod:

- Personse filter clagging indicator.
- Return filter thoughing indicator
- Prozence; visual inflication of the pumps and at external console positions
- Note: Due to the common oil reserveir, Group 1 monitors are common with Oroup 3 monitors

9734,62.62 Graap 2

The main power pack will be a Load Sensing system. With this type of system, a pump will deliver the amount of oil experient by that praticular valve, with the added Senters that a combet of services can be sun at any one find, from one of more pumps at the december requires.

The plant controller will move the three pumps in service between primary and stand-by service

There will be an encogoncy slop assumed at each extension being station for the sailing. functions.

The stain hydraulic power pack will be manitered on the ventet monkering system. The manity functions are:

- Oil រយាមាននៅជន
- High til temperature, Alaren
- Low oil level plure, Wanting
- System processor
- Zany apatem pressure, Alaren

Local amphibrs and gauges:

- Pressure filter alogging indicator
- Return filter (togging indicator)
- Reseasure: visual indication at the gurage and at extends console positions

6711.03 Fower Supplies

The following power supplies will operate the hydraulic systems.

'i he Buikler will design und supply the bydraufic till coeffig systems.

07H,03.01 Group 1 & 3 Thrusser Power Supplies

The amin cargines will drive a single parap or set of tenders paraps for the how and stern distances. The paraps will be diffed with runose activated clutches.

٠	Manufacturer:	TED
•	Numbers	TBD
•	Type:	GB3"
•	Power:	THD
•	Operating pressure:	TEO

QEMINI Impject Contract Specifications

Van Petegliero & Lateriot Prévost Naval Andhitects

•	Play sute:	73 D
•	Weight:	JBD
٠	เวียกอยเกมระ	atte

9755.03.02 Group 3; Main Power Pock

Our triple assing, custom power pack will be provided for the main hydraulic system.

٠	ให้สมหรือสุดิเสอด	Lewast
٠	Туре;	Custops Cospernador 10+10+200
٠	Operation:	 Load Sonsing
	Power;	3 x 9 kW (catigostod)
•	Operating pressure:	140 has (2000 yei)
٠	Plow mite:	Vurishle
•	Weight:	300 kg. Estimated
٠	Dimensiona:	(non-locaneal) held took with him mounted popular

0731.04.01 Hydegulle Oil Filtering System

In addition to the standard inition particle filters, the muto power pack with be negatived with an off-line filter system. The systems with have start/step control annually by the engineer with thems and pressure system stops as reconstant by the resourcement.

 Magnifactures: 	CC Jayres A/\$
 Model: 	74DU 15/25 PV
 How safe: 	120 Vh
 Pawer 	208/5/60; 1 kW
 Dimensions; 	425 h x 345 w x 240 d
* Walett:	22 kg

97H.05 System Engineering

The Builder court carefully seview the hydraulic system design for this yacle in order to growide for bast solution for the high number of services required,

The Builder will calculate the first capacities of the entervair tanks.

The system should be designed for:

- Ense of maintainage
- Mexibility
- Selfety
- Roduce pipe work.
- Maximize life cycle of the components

97H.05.01 Mounting of Paysos, Values & Components

- All pumps to have Burfiele wills connecting to rigid pipe work.
- The valve blocks and oil other analisity units relating to, or connected to pipe work shall be isolated to the specime for moise and vibrating.
- The athet reservoir must be saitably isolated to the arrestate for noise and vibration.
- All deek grachinery such as winches, windkeyes, see, to be mounted an sound deadening realizable.

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DYIJ.03.02 Pipe Work & Mounting Brackets

All pipe work is to be stainless steel high pressure tobing. Tubing will be highly polished in areas where visible. Farts that cumon be obtained in stainless steel shall be imperly coated with an application of spoxy paint. The immediateur of the pipe supplier is to be agreed upon with the Owner's Representative before installation.

Manufacturer: Builders supply

Pipe standbrd: ASTM 269 or D\(\text{IN 2413} \) as applicable.

Pipe fittings: Stuinless steel compression fittings are to be used on

all pipe work of 1" and below, the same reconfectors to be used throughout the vessel's hydroulic system.

Correct pipe sing to be selected to establish turbulent flow

All pipe muss to be kept as Mexight as possible.

Long radius altogs are to be used only indess there is no other solution.

Philipg is to be sension in brackets using UOC or REA type subber isolation.

All watertight buildhead penultrations are to be pipe sections (not hose).

Bulkhead pencinations will be as specified in part 02.15 Watertight Pencinations

Pipe champ specing is to be as full pass:

Pjipe Silvo Strutsker

< 10 turn 1000 nm or every frame, which ever is less 18 to 25 nm or every fixthe, which ever is less 25 nm or every other frame, which ever is less 25 nm or every other frame, which ever is less 1800 nm or every other frame, which ever is less 1800 nm or every other frame.

9717.15.93 Hours & Mounting Brackets

Hose justaliations are to be as fullines:

- Plexible hore are to be specified having a minimum 4: k safety factor.
- Flexible lase tails to be, la general, a movimum of 1.5 meter tong.
- The casts to be of swinless unless otherwise stated.
- Hoses are to be R7 / K8 above steck with stainless awage ends.
- When thereble hases are used, they note to shirtled under secured at chafe points
- Moses will be clamped at every frame spacing or chafe polits.
- Where there is a fire/heat potential in close proximity to a hose, a fire eleve must be fixed.
- Přezibše hose may be used when trying to hard pipe is contined areas, thus saving the mater considerated bonds.

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Van Petegham & Laurior Prévost Naval Architects

0714,05,04 Neise Control

The hydroulic system will be designed for maximum noise control. Of primary importance is the operation of the Main Hydraulic System for Groups 3. The Builder will work with a juster and vibration specialist to minimize onise from the hydraulic systems.

Field bette write is the major problem and normally generated within the come. Countletian will be engained for

- Puppy selection
- Select the correct size of pipe to reduce turbulent flow
- Minimize the number of pipe bends
- Use of the correct type closes and location
- Use of reactive salescen
- Isolate proper all items to the system such as winches, piping, valve blocks and equipment,
- Always terminate rigid sprintess areal piper with florible tails when above 10 most he dismeter, it is ecceptable to rigid govern some of the smaller pipes below 16 mm.
- Use proper isolation mounts for equipment.

0211.86 Safete

- Emergency stop is to be provided at each flybridge below station.
- All conjugations included in to be enterated within the stress limits last down by the ប្រភពបន្តដែលនេះ។.
- System to be designed so that all components are easily accessible for adjustment and
- All valves with passed override facilities should be located within eight of the service heing egensted.
- the stop veloces and to be filled in relate bines.

071<u>2.07</u> <u> Росписионация</u>

The vessel will be supplied with full (ephnical documentation will be provided to separate hinders and on CD; to include:

- Two (2) copies of manuals and service schedules
- Two (2) sets of drawings
- Pape drawings
- School to of parts
- Service literature on each pump, valve, filter, etc.
- Basic survice instructions
- Electrical/control cércuit
- Rydsaulic duck machinery dute

0711.09 Testing and Commissioning

A flat) test and commissioning program will be proposed by the Bulliter for the approval of the Owner's Representative.

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Van Percelbem & Lanziot Prévost Perva) Aschitecta

nt.

There will be a total of six (6) integral eluminum fuel tooler, including the service tank, located as our the drawing; To? Tanks Position & Geometry. The lunks will be located in the mikiships. sections of the west dock. Took capacities so be displayed on the standard system. The tanks will by constructed and provided with fills, vents and service connections in accordance with Class. Rules and MCA construments. The first system will be emerged according to the throwing: S 43 Fuel System Schamatic.

The first fill and transfer system will be installed in the tank space for control of filling and transfer operations. Pilling will be from the port and slid desk lockers with remote actuated full valves, directing first to individual tunks. The first topisfer system will utilize require solution suction valves and discharge via the fill valves.

The first supply system for each engine more will draw first from a single service tank, becaled in the tank comparisons. Buch engine room will laws remote step valves on both the supply And retart lines.

The fuel partifying system will be mounted in the stod engine room. The system will down feet from any tank and discharge to any took.

Fuel deligated to each engine recons will have a because puress monated in partilled for primiting of engines and fiftees. There will be a fact conditionar testabled to each engine room supply. landividual filters will be installed for each styline.

071.DL Storuge Tanks

Both mosage tank and the source tank with be provided with:

- Buck with its give electronic level indicator.
- Each with its own magnetic level indicator.
- Bach sink with phong connections as per drawing: \$, 63 First System Schembio.
- Top remailed manistless clear of any permanent equipment of sipe installations.

275,92 Transfer Pupips

Two (2) because gear fuel transfer pumps will be installed in the tanks space, as per the schematică.

Managata Obsoliecter

QB-9970H-85-30118BCT-ER Type:

1.5 kp; 208/3/60 Power: TEFC:)REE45 Motor chase

4360 bpb @ 2.75 bat (19.2 gpm @ 40 gcs) Flow:

24 kg Weight:

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071.03 Fael Parifier

One (1) fact contribuge system will be installed in the sthe engine room as per the substration.

Manafectoper: (7): leasen
 Model: PTU-27/27 P-EW
 Power: 208/3/66
 Performance: 1 gpoi
 Weight: 78 kg (day)

971,04 Fred Priming oumps

One (1) fact priming pump will be installed to cach engine room as not the schematics.

 • Manufacture;
 Walker

 • Model:
 6806

 • Priver:
 1 aury; 74 VDC

 • Performance:
 7500 lph @ .275 lser (33 gppn @ 4 pci)

 • Weight:
 3 kg

071.05 Piping & Yalvas

The Builder will use the following guidelines for the installation of the fact system:

- All tube to be recogless assembled stabilists stabligated \$46L to ASTM AZ69 standards.
- All singuless sized piping and fittings are to be boad blasted finished.
- All pips sizes specified are OD.
- Plexibly pipe complising and their installation are to consply with the requirements of BV Rules.
- All pipe connections are to be \$16 grade maintees such but welded fittings unless pipe accion is required to be removed for maintenance or altached to equipment.
- All fittings in removable sections are to be Swagelock or flumed manufactured from 315 and estimber seed.
- All valves are to be of fire safe stabless seed construction to AP1607
- All full valves are to be of 3-part construction.
- You would ally executed values will execute at 7 has (100 pail).
- All parametrically controlled valves are to be arranged for local matrial operation. These valves are the provided with a merge of indication of open and closed position at each control position. In addition, incut indication of valve position is to be provided at the valve position are therefore the control position of the control operation.
- Where first tracks are fatted with inlet or outlet pipes below the level of the respirated
 overflow pipe, shak-off valves are to be located directly on the rank. Stub pipes not longer
 than 1.5 of the pine discuster, between the back and the valve, may be accepted.
- Pipe must will be exter coded and numbed with the description, i.e.: Diesel supply, Dinnel return, etc.

071.06 Fiel Conditioners

Magnetic fuel conditioners will be idelated in each engine room supply line so as so serve all engines.

Manufacturer: Algae-X or uqual
 Series: LGX-1560
 Port size: V4°

GEMBR Project Content Specifications

Van Pelegbera & Laurich Présent Playat Azebianda

Flow rate: 350 gph
Weight: 9 kg

971.07 Pact Filters

The feel filters will be provided as follows:

Engloss	Generalor	Melu Rogine
Fifter Model:	500 MAX-P	75/900 MAX-P
Murder of :	3	2
Filter Hierosae	2 micron	2 galerya
ggeight.	292	432
Width	147	476
Depilu -	\$22	279
Weight	t.7	10,4

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Yen Peteglism & Lauriet Prévegt Naval Architects

97J LUBE OIL SYSTEM

independent tube oil systems will be installed in each hall. Each system will consist of a torty oil tank and a clean oil tank. Refer to the attached sebenanio: Luke Oil System schematic.

- Are independent diety oil pump will don't the engine sumps to the diety oil tank and #150 discharge the diety oil tank to dock.
- As independent clean oil pump with bose seel will provide clean oil for distribution.

671.01 Clean Expe Oil Yank

The clear lebe oil sturage tanks will be 500 liters each, because as per his drawlegs.

The clean of anymy will be filled from the respective fill lockers on the part and stable decks.

075,02 Dirty Lufte Oll York

The dirty labe oil storage lanks will be \$50 liters each, located forward of the engine room as per the chawings.

The dirty oil will be discharged by the dirty off ports to the respective ith lockers on the port \sim and sibil decks.

The Builder will provide a 10 m butto with quick contact fitting to discharge the dirty off subject.

QZ 5.03 Oli Payons

The disty oil pump with he used to easily the seducted engline samp and discharge the disty oil tank to deck value a 3-way waive typicus.

The chose oil princip supply the juste roof system. The flose roof system will provide oil to the english via a melering nozale.

Pumps will be provided with a pressure limit switch or relief valve to provent over-pressure of prince and house.

Supplier Pepco
 Manufacturer: Oberdorfer
 Number: Pour (4)

Model: OB-N990-30N12BTC-W

 Power.
 .75 kW/ 202/60/3

 Weight:
 27.6 kg each

07.E. H5 Piolag & Palyus

The fullowing shall apply to the delivery piping systems:

- All tubbing to be segmaless stainless steel 316L to ASTM A369 or equal.
- All flatings in removable sections are to be Swagelock or flanged manufactured from 316
 grade stainless steel.
- Tubing bends will be long radius.

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Van Petrghem & Lauriot Prévost Naval Architecta

- All relives are to be full bore ball volves.
- Employ sump connections to be flexible Arraquip FC234-12, SAE J1942 have with heat jackets in accordance with the Ruise.

All valves will be full bore becaze valves.

Measufactyages,

Coobarea, οι υφικί

Type:

Pall Love built ealives

923.06 Oil Reet

As all seed will be provided in each english room for adding all to the engines. The member will be equipped with a materiag derive.

Manofacturer.

Receivant

3'ype;

5600 OLS

Hose iD:

75°

Hose Length;

30 fbct

Dimensions:

3BD

Weight:

10 kg (ਟੜ)

Magning Nozzic:

Manufaczurge:

Jügeld Dynamics

Types

BM-20

· Part No.

\$30,09

B7EB7 Tank Montter System

Chests and dirty spit tank namifesting will be provided and will display on the vessel monitoring, system.

The Builder will funding specification details of the unmitting system.

Dirty Oil:

Ažanų factorem:

Houdhwar

Type:

TSi

Control Unit:

SYMSQ

Oraput signal:

TBD

Class Oil:

Minufecturer:

Genes

Type:

Sure site minni offey

Cardrol Depte

TBD

Ødeput signal;

THD

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<u>BAR, GALLEY & LAUNDRY EQUIPMENT</u> 97K

At this time, a design consultant is reviewing the design, beyonts and equipment for the gatley. and laundry. The following is provided as a preliminary list and data from of an initial proposal. schet was en las client's wishes.

87K.02 Сущчестви дзум

Mercal@ctores: Оведения Model : <u>KD 388</u> 860 x 560 475 Dimensious:

5.8 KW 2 NPBAC 408 V Power.

7BD Weight

Cook tup 07K.02

Masulipplanen MXXX Kuchenneister

Modeá: 2 piece inductiva rappe with 2 zopus (\$7 kW)

1 immedian wok 60 5 kW t gradde plate & 7.2 kW

Weight [90 kg

D7K.83 Careti Oven

Manufactioner: Agonté BacH Model: Guld 6 1/1 ON

Power: ነክዓ አዋነ ጋንሚይአር 448 ሃ

Weight: TED

02**5**.04 delocarnave.

Мапибасимент Радавоціє Model: Ng 1037 Power: 13 ango

07K.05 <u>Sce Maker</u>

Managarhaer: Scottsини Ice Model: ACS 125W 675 x 521 x 897 Dimensions:

Weight; 48 kg

025.06 Under Conster Frig

Мацијацигет: Foster Madel: LH 199 126V, thann Prospect: THP

Weight:

978.07 Under Counter Ercener

Margifacture: Foster LR 140 Model: 126W, 13susp France;

Ξ.

Vna Peteghem & Louriot Prévost Navel Architects GEMANI Project Contract Specifications TBD Weight 07K 08 <u>Trash compactor</u> ្រានព្រម្រានការប្រាជ Manufajiwen. introdeli: **635386** Dimensions: 316 x 510 x 840 120 VDC Pawa. Weight: of ke 07K 09 Disk Washer Migic Manufacturer: Model G7855 or 7859 Dimensions: [1] 85cm, W60cm, D 60cm. 9 **a kw 3 nd g**arc 400 w Ruwer. TEP Weight: 07K.11 Sinks All ginks are to be a solected by the interior design or galley consultant. All sinks are to be ficient with wants dispused table, and drain to a Hawkhapper Greace Grouper system becaused in the sabil engine coops. insinkerange brand 3/4hp states- continuous feed Турс: Or Viking V(FW 1020 -custiments feed model 97K.32 Wasking Machines There will be two washing machines. Washing machines will require remote liquid dispenser the describe, due to the digress being littled above and blocking the regular fill drawers. Monufacturers Miele professional 7.5kg WS 5073-MC23 Mule); Dimensions: R 1090m, W Tierr, D Tierr Power. 3 plase (9) 8,51cW Weight: 147 kg 97K / 1 Drying Machines There will be two dryers.

٠	Francisco ce	Mieje professiopsi 7.5log
•	Model;	T6185
•	Dinensions:	H 1920an, W 7300a, D 72.50m
•	Power:	3 phase @ \$.5km
•	Weight:	75 kg

078.14 Rotury Itan

Mosmfacturet: Micle

Vuo Peteykeno & Laurich Frévoet Vieval Austriums

besiel: £1M 16-83

Dimensiones: N 96cm, W 105cm, D 38cm

Pores: 3 kW @:208/60

Weight 38 kg

07E-15 Main Salou Bar Regulperent

The relations will be arranged with the following equipment. Visal design is to be determined by the interior designer.

97K.15.01 Inc Maker

 • Manufactures:
 Sections: Res

 • Model:
 ACS 125W

 • Dimensions:
 675 x 521 x 897

Weight 48 kg

071C 13.03 Bur Fridge

Manufacturer: Gambo, se oqual

Model: ECOTENTVS with remails compressed

Dimensions: \$40 h x 116 w x 513 d

Weight TDD

Capacity: Storage: #kg (x.lb)

UTK.15.03 Wine Cave

• Manufacturer: Euro Cuve • Medel: S064°T

Dimensions: 874 h x 654 w x 698 d

Weight 48 kg

BSK, 13.05 Ray Glass Washer

Manufactures: Misha Professional

Model: G7855

Dimensione: 850 h x 668 w x 660 d

Person: 3 kW; 3 phase option

Weight: 70 kg

87K 15.06 Bur Coffee Machine

Model: Sy automatic

Dimensions: 356 h x 356 w x 337 d

Prosect 1258 W ; 118

Weight 11,8 kg

Van Peteghem & Louiset Prévoet Naval Ambitects

Fly Bridge Bar Equipment

1878.36.83. les Maker

Manalprinter: Spoisting Ice AC\$ 125W Modeb Dimensione 675 x 521 x 897 48 kg

Weight:

Spouller opaion:

Manufacouter : Хомапьы, Ісе Mastel : 90M 45 450 wates ; 230/1/60 Power: Dimensions: 790 h x 457 w x 523 d

Weight 43 Eg. Production: 38 kg per duy ∫5 **k**g Storage:

Nor Fridge

โฟลเลเกิดโนเลยไ Gamko, az egust MG/15DG Model: 840 bx 116 wx 513 d Dinuggious:

208/60 Power: YBD Weight: 1/44 bentec Capturally:

What Care

garo Cave, or equal-Манивецфер 3264'F "Visionpack" Musel: 874 h x 654 w x 698 d Diamenajous:

72 liqt Weight 195 bottles Capacity:

Page 58 of \$23 28 April 2005

DUILT-IN REFRIGERATION AND FREEZER SYSTEMS

\$8.01 General

In addition to the galley stiftigurance, there will be a walk-in chilled toom with freezer round inside, located at the forward end of the galley. The hower are to be custom designed by the Builder and constructed in vininfess steel, to utilize the available volume with consideration to other technical services in the oren.

These will be a fracta garbage computational located in the aff sabi hull below the crew deck. Constitution details to be determined.

All refrigeration systems will be provided with dual independent compressor and evaporator systems for redundancy.

Other requirements as follows:

- The relaignetion systems with operate between 1.5 to 3.5°C (35 to 30°F).
- The freezer systems will operate between -15 to -18°C (+5 to 0° F).
- "(be chilled garbage systems will open to between -3.3 to -),6°C (26 to 29° F).
- प्रिक्रियाम् अर्थः का क्रिक्स किरान्त्र में कि प्रिक्स का क्रिक्स के अर्थः क्रिक्स के अर्थ क्रिक्स के अर्थः के अर्थः क्रिक्स के
- High efficiency insulation will keep complessor sizes reduced.
- All units will be AC powered.
- All compresses will be invaled in alod engine room with water epoles conduction.
- All boses to have interjor light,
- Preezer and garbage entoportment dever paskets are to have bestern.
- At bones to have during plug with givenhed drain system and/or a desire to their and see to have besters.
- All boxes to have individual temperature control with remote thertwinnerers (CB*) for local display.
- All boxes to have individual shut-off switches when not in use.
- All horses to bave storage each systems of food grade stabiless stool.
- Temporaries will be maintored by the vessel monitoring systems.

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Case 1:08-cv-06334-LAP

Filed 07/23/2008

REATING, VENTHATION & ARL CONDITIONING 69 (BVAC)

Of primory importance to the Client is the quality of the RVAC systems. It is important that the system provide adequate cooling in all climates and that make-up air he sufficient for maximum air quality. In addition, the oft main deck will have provisions for enclosing a large area with eigenglass, and this area is to be provided with fan coil copting. The details, dimensions and volume of this area is to be femilized.

The ventilation systems are to comply with applicable Bureau Veritas Class Rules, as: applicable. All year and deer systems will be provided with recessary controls and sigdampers and insulated for fite protection as required by the Rules. All intoke vents will be insulated for thermal and fire protection as required and attention will be given for maximum. sound dampening in all aspects of the installations.

We are presenting a preliminary proposal from AquaAir for a fon coll system with make-up. and extraction air systems. Desta T has specified the engine moon ventilation aystems. The Builder may propose alternative equipment and arrangements provided it saves weight, cost and efficiency. The Owner's Representative will have final approval for alternative proposals.

09.01 <u> Air Condicioning System Bezign</u>

We have worked with AquaAtr Marine Air Conditioning System, Historia, FL for the design and capply of the pir conditioning systems for the vessel. The air conditioning system will be a chilled water, fact coil system.

The Builder will consult with the system supplier on the use of a docted system for the upper deck salou, bridge and main salou.

The temperature in each compartment will be controlled by digital themostats. Make-up air and extraction air will be from contralized unity.

The yacht is immyded far use in teopical and temperate ellemates and is to perform to the ស្រែសារស្តេ ជាមួយដែលនេះ

•	Design Conditions:			
	Summer	Outside	35°C @ 85% RH	95°F
		Inside	23°C @ 50% RM	$73.5^{\circ}Y$
		Scawalta	30°C	86%
	Wister	Outpida	1 0° C	41°F
		Inside	21°C	69°F
		Scawater	5°€	41°F

02.01.01 Chilled Water Pipe Systems

All chilled water distribution phylog is to be a light weight system. Tubing design is to be in accordance with the system toppiler design requirements. Required data points will be provided for control by the vessel countri and monitor system. All plains will be insulated to protect against heat less and prevent aveating.

•	Турс:	Cotthat
•	Standards:	Type M
٠	Working pressure:	'UBD

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SEMING Project Controls Specifications

Van Poteghem & Lauriot Prévost Wayal Architects.

92,01.02 Duct Systems

The doubling systems design is to be in accordance with the system supplier design. requirements. Where required, all ducting will be insulated to protect against best transfer and provent sweating.

The duct gystems will be provided with sound dampeners or chumbers to minimize poise from fau colla or air charge systems.

Provisions will be provided for agrees to ducting for adjustment of flow council valves and access points for cleaning and replacement shall be considered by the Builder.

<u>None that the interior dening has theired space available testrems for apparture and apparemis.</u> Ducting its many areas will be termined to be that rectangular sections to accommodate the liggited apace.

92,92 Galley Ale Systems

The Builder will design and provide the galley air systems to extendly with the provisions of MCA section 140.4. To addition to the fan cold systems, the guiley will be previded with:

- Extraction air stove sood with air balague fresh air ingeke system.
- <u>Estimated</u> ourximum capacity of 1500 m³/b.
- Variable speed extraction air system.
- Stone board extinguishing system with electrically exercised fire damper.
- Required onergency shart-offs and control systems.

205 Eugine Roven Vendintion System

We have worked with Dolla "I" Systems of Pains Beach, Fit, for the design and specifications. of the capital reven year intion anythme. It is requested that the Builder work with these companies for the appply and installation of the ventionion systems.

The vendinion systems are to comply with Class Rules and MCA section 1/14.4 as applicable.

The post and salat yent listical system sess up shrough the cabin deck, up through the salam with busine and exclusion in make eliquinature on the upper shock committee. Components are as sportalised in the attached spreadsheet Dolla "T" Syxtoma quotating.

09.04 Forward Lackers, Lacurette and Vendor Compariment Ventilation Systems

The fampetic and tender companies at ventilation systems are included with the air configurator. system. As these compartments will contain bacardons materials, i.e. petrol and bettery systems, the ventilation systems will provide a minimum of 6 air changes per hour. We have selected nauko up air hapillers to provide fresh air to the compartments to control farmidity.

28 April 2005

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Van Peterberg & Laurier Prévent Naval Architecte

<u>ELECTRICAL</u>

10.EQI General

The electrical equipment and its installation should meet the standards of BV Class and the statisfords and recongressed of practicals of the American Book & Yarbt Consists.

Document 10-4

Atlas Marine Systems has performed preliminary electrical design work and a lead study for the electrical system. Pleatrical panel dimensions and one-line diagrams are provided. In addition, calculations, station and descriptions will be provided as part of the wasel electrical system agency classification decommensuistion.

The AC electrical system will be a 120/208 VAC, 3-phase, 60-Hertz system with a grounded. scottal. Circuit breakers will be 1, 2, or 3-pole as appropriate for the load. Ground conductors will be included in caldes to all AC power uses,

The main DC electrical system with be a 24VDC system with presented negative. Circuit brookers will be 1-pale with two conductor circuits to each.

A FAVDC elempted system with grounded torgative will be provided in the area of the wheelflouse to power computer mountage and other LIVIC distrument hads us required. The nower supply will be then a DC-DC voltage converter. Circuit breakers will be 1 pole with three conductor circuits to each uses (positive, accessive and pround).

When at sea, the electrical power will be provided by three (3) diesel engine-triven generators; two in the port regime room, one in the afted engine moon. The generator coords will allow as formated or spansial paralleling. The Main AC Switchboard will empty electrical power to large users and to sub-discillution papels losseed throughout the veget. It will have a selfit bus and this but the switch with be normally closed when the penerators are wasalleled.

I've shore cables will be provided near the stem of the port lozarette to allow connection to share generated electrical power when desired. The above cables will be connected to an Atlan. ShalePOWER frequency converter. Preliminary output nower is estimated at 602VA.

An Atlas unicomorphible power supply (UPS) will be provided to provide clean, spike and noise-free AC electrical power for quille-visual entertainment equipment, externanientimes. addingment and other noise sensitive users. As part of this system, a "critical load AC bus" with battery durkup will be provided to supply durings that require unfagoranced electrical power. An example of this type load is programmed entertainment system tuners or videocassente secondors that lose their settings things power outages and must be reprogrammed by the corw after each electrical power onlage. The output voltage of the UPS will be a (120/240 VAC, 60 Flette) system. Preliminary output power is estimated at \$2 kVA.

Ludder type cable trays will be provided in oreas where large mottlers of electrical power and control nobles snerge. Cables will be installed in a nations that prevents mechanical and compaint damage and prevents alaptical "crosstalk" and interference between electrical Bystecas.

All electrical equipment, including junction boxes, is 14 be accessible for service and ապիլիասութ.

Bond all elevations equipment as required by Class. This inchades boughty of motal successors. to built ground and bigh estality routine withing practices.

Warning labels will be installed where appropriate.

Electric motors will be TEPC type, rated for continuous duty and have an ambient temperature rating of 45 degrees centigrade in engine rooms and 40 degrees centigrade elsewhers. Motors that are part of another system, such as air conditioner air bandlers or other appliances, use exempt.

Surgency lighting will be automatically activated if main AC power is lost. There will be at least one engagency light in each major compartment and passageway.

18A.82 ELECTRICAL CONSTRUCTION PRACTICES

10A.02.01 General

Persons is stalling electrical will be trained marine electricians (applica with quality marine electrical construction practices.

10A.02.02 Electrical Cable Construction Practices

Riccoloxi cable installation (General):

- All cobles wood 44% to be rated 85 degrees Cantignale minimum.
- Buth ends of all electrical power, control and ground cables will be clearly identified with
 parameters identification regs based on cable 1D numbers provided in the electrical system
 design decurrentation.
- The following types of califes will be segregated from each other themshout their entire lengths: control cables, instrumentation cables, entertainment system cables, AC power califes and DC power cables.
- Shielded cables will be used where specified in the electrical documentation.
- Cables specified by equipment manufacturers will be used.
- Electric cables connected to conflict mounted equipment will have sufficient length to alkies free movement of the equipment.

Electrical cable installation (Ches Requirements):

- All cables used in the commutation are to be approved by the classifying society or constructed in accompance with Class rules or to a recognized standard.
- Cables now are to be selected as to avoid mechanical damage, water, oil, fuel and
 excessive temperatures. Where cables could be exposed to mechanical damage, they are
 to be aromated or protocold by a couldn't.
- Cables may wit not upder floors where meetical.
- Where cables pass through watertight bulkbonds or decks, watertight plands are to be forest.
- Where cables pass through a non-watertight holkhead, deales or other supermal anembers, they are to be protected against chaling.
- Cable support teays, cable clips, glands and bushings are to be of correston revisions; anderials.
- The distance between cable supports is to be about 64 ± 20 where d is external distracter of cable measured in continuouss. The massimum allowed distance between cable supports for cables is 50 continuouss.
- The minimum bend radius for cables is 4 d for the morphastic or rubber-like insulated
 cables without rootal covering (6 d if d > 25 mm) and fid for the came cables with metal
 cavering.
- Cables are not to be approved except in approved metallic junction boxes.
- Cables are not to be almobad to any tank or pipe carrying fact or oil.

25 Аул II 2005 Page 63 of 123

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28 April 2005

- अञ्चल इत्यावकी प्रकारिक प्रकारक क्षेत्र क्षेत्रकार है जाने व्यापन Assures from paints and circuit protoction for load crimping.
- , इंग्लाहों अन्याया क्षेत्रक कार्य प्रमायका कार्य प्रमायकार्य क्षायकार कार्य है जिल्ला है जिल्ला है जिल्ला है
- Continuation find by vessels that in this parties grive the continuation of the property of the continuation.
 - Authoratic fond alternative.
 - Round current nachty
 - ച്യാത്രുത്ത്യ
 - ्यात्रकाराज्ञात्रके ४००० अर्थकाराज्ञात्रकाराज्ञात्रकाराज्ञात्रकाराज्ञात्रकाराज्ञात्रकाराज्ञात्रकाराज्ञात्रकार

 - appearing and Filge to and algois si contines(C
 - Securiosa transfer of power from chare to generator, and generators to generator.
 - क्षेत्रप्रवासके कार्य क्षेत्रकालको स्थापन विकास विकास है।

circuit becomes etc. The following fearures will be provided: metraling and protective devices to control the operation of clearated generators, supported

The MACS will be located in the post engine soom and will law at accessary controls,

Euchtey Sorink's soll by Adhier Special and September 10 Market Systems.

Main AC Sustable beach Beach

zoniii

gnompodvao višbioma dgial a at notumego šme potenskom socioceno, ponebiove

designed and with onew fidually human interfaces. Consideration will be given to water entry The olectrical system control and operating paralls will be of packs quality, exponentially

10.0702/3

10.801

aoi

EMERICA SARLEMS' VC

- Makin DC Switchboard, Physical Diosasians (Fedinings)
- (Էրգայակել)) հայցարդի Միջայում (Մյեսայական DA անձի

 - (एक्स्प्रेसस्यात) साराश्वरहाता आध्य कार्य कर्
 - Preparation (Problems and DA

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FO'VOY

\$100 E475677

ाक भोड़ पुरिकादिकां के किकार्यकार के विकास के के किया है जा है। जा के किया के किया के किया के किया के किया के or boffetoni ast blaude generosgereno toxickado odo rock geordossa roc ara etramorioger desalt To you $\operatorname{emd} W_i \subseteq \operatorname{Al}_i \in \operatorname{Ap}_i$ they conclusions of midubonamona call at confincte two explicit graingings boxed a other , wage, will religious normalous along alclude be sensore bedittened has editionable besselves better

क्षण वर इन्साधको सतादेश पुरस्केत्यूनका क्षेत्र अध्यक्षणकारका उदा को प्रश्नि कार्यान्त्रकारिकारक व्यक्त वर्तिसामताची Enclosures (II Code)). Electrical equipments less that \$74 should each be grownled with an gd babiroan analogiout to samgatt not nutronilisage" 1991, 02:00 MBSH at formab an 2011 ां) अधेतासूद रेक अतुकादक कर्ती प्राक्षणवासू को एक किस्प्रात्माहरूक एवं कर्त विस्तर कवस्त्रोह कोठ वर्तवास्य जानकाय कर पूर्ववशीते are execut aid amount and we seem as not it to rose that bases of bluster attenuation because H

salitylif alderasraft yldgid radto bac konsejlo agawata vol č.1.41 rikal AOM dlivy ylaptoto

Educations treatment in the post and albd knowers and tender comparement and used to

Skeettleal Matarabus Argag

7.0720 POT

(BB.02.01) Main AC Switchhoord (MACS)

Mauniacturen Atlas Marine Systems

Document 10-4

Modeli TP-MAC\$-1,400-6.3.120/208.GN-3.12.2-72z20.8x30

1829 w x 529 d x 762 b Pirecessions:

159 kg (350 fbs) Weight

<u> 108.96</u> AC Sub-Distribution Panels

It is planned that one AC sub-distribution page) will be located in each watertight compasiment to minimize buildless! penetrations. The Builder may opt to minimize the number of panels depending upon the actual mumber of distribution circuits required.

The AC sub-distribution petiols in non-technical spaces will be foundled in a mouner that hides the enclosure from direct view (behind joiner work).

Note that the circuit numbers reflect live cognissions. 13s., n3 phase circuit hysaker remites 3 circults in the plant, whereas a single place circuit requires one gone circuit.

Preliminary sub-distribution panels for AC discuits are as follows:

	Location	Сісенін	<u>Circuit Agens</u>
t	Part engine room	THO	TBD
3	Stad engine atom	15815	72D
3	Port hull aft	TBD	TBD
4	Port bull flod	TBD	TRD
5	Sibil hall aft	1 3 D	1131)
ម	Sabat Mull ford	TBD	γ_{BD}
7	Galley & Main Deck	*7330	'(BD
8	Plybridge & Main Deck	TED	•TBD

Logical as the manufacture of the second of t

708.04.02 AC Nut-Distribution Fanol Type

٠	វិស្សាយនៃដោយ::	Musliplithit, or equal
•	Model:	Progess or equal
٠	Capacity:	.EnD
•	Main Brouker or Switch	Note
•	Cable Berry	Vations
٠	Color	TED
•	JP Rabug	As required
•	Hinged down	THD
٠	Branch Cinnit Breakers	TBD

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168.05 Share Inver Systems

1611.05.01 Allos ShorPOWER Frequency Convertet

A short power frequency converter will be supplied with the following features will be provided:

- The unit will deliver full putput power from any three-place or single-place input, at any input voltage, from 1992-530 Volta AC, and at very input feetpures; 50/60 Hertz (assuming odequate power from shore is available).
- The unit will automatically sense the foundting power characteristics and convert the
 power to the voltage and dispensely required by the ressel.
- ជីវ៉ាម កម្មវិធីមេ មេប៉ុន្តែ បានប្រជាជន មានបាន មានប្រជាជន ។

Manufacture: After Marine Systems
 Model: SPA
 Capachy: 68 KVA
 Dimensions: 1676 ff x 813 W x 517 D
 Weight: 459 KG (1016 fbs)

108.05.03 Galvanie Isolators

Gaivanic istantors will be provided as per det electrical drawings:

Manufacturer: Dairyland Electric
 Model: G1-10kA-S-10il-CC
 Number: Two (2)

10B.05.07 Shore Cables

Since calife features:

Quantity
Location
Location
Location
Capacity
Conductory
Capacity
Capacity
Capacity
The
The
The
The
The

10H.06 Computer Power Source

Exact configuration is to be determined. Computers necessary for MCA compliance are powered from the 24VDC emergency batteries. Other computers are connected suggested by the Main AC, Main DC battery systems, or UPS as appropriate. Exact configuration will be determined later.

108.87 Uninterrupted Power Source

The espectationess system, noise sensitive and other critical banks including computers will be supplied AC power from a 12 KVA uninterruptible power supply (UPS), which provides the following statutes:

Continuously provides conditioned, clean, spike and noise-free AC power for somitive
electrosist equipment and additionally provides unintersopted power upon the last of AC
input power

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Van Petegliem & Lauriot Prévost Naval Aschitects

- The output of the UPS will be cantigued into two separate outputs, one critical and one non-critical.
- Open tage of AC power, the non-critical had is disconnected from the DFS converter
 while the critical load continues to operate on the battery pack until AC power is testored
 or the haltery system is depleted.
- The UPS is sixed to accommodate the total load requirement, and the battery pack is sixed to accommendate the critical load only.
- Metess are provided to magister operation.

Power distribution from the UPS will be via dedicated sub-distribution panels. Size and location to be determined.

The UPS system will be designed and manufactured by Atlas Marine Systems, and consist of the following compositions:

- Progusacy convertor
- Battery
- Bottery Charger

Усециялсу социалил:

Manufochizer: Affas Marino Systems
 Model: SPGE-12K-6511[AB-45B
 Capacity: 12 kVA
 Qúmeraine: 334 w x 414 d n 969 h
 Weight: 227 kg (500 lbs)

Ballery:

Maconfoctorer; Adjac Marine Systems
 Model: BP3
 Dimensions: 760 v x 330 d x 760 b
 Weight: 163 kg (360 7bs)

Besteey Charger:

Monufacturer: Atlas Marker Systems
 Model: 1903
 Dimensions: 305 w x 152 d x 356 h
 Weight: 27 kg (60 ibs)

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10C DC SYSTEMS

10C.01 General

The one line diagram of the DC electrical system will be as specified in the Aflas Marine. Systems thereing — 105192

DC Electrical system - Central:

- The again DC electrical system will be a 24 VDC system with groupded negative. Circuit breakers will be 1-pole with three conductor circuits to each user positive, negative and ground.
- 24VOC electrical system supplies house and emergency 24VDC leads.
- £2VDC electrical systems supplies house and emergency £2VDC leads, if required. This voltage will be provided that DC-DC converters.
- Generators and Main Engines will be 24VDC, isolated ground systems.
- Barrery parallel switch will be installed in the part angles prom to parallel 24VIIC factories for engine starting.

DC Electrical system - Class Requirements:

- Bartery over-current protestion and disconnect switches will be installed to mostal
 confusion rated IP22 and in compliance with ABXC standards.
- Bartery spaces are to be contillated to avoid accomputation of hydrogen gas generated during charging.
- Balteries are to be securely assumed to prevent movement due to the motion of the vessel.
- Warrenes are to be installed in acid-resistant mays to prevent the possibility of spitted clockwhyte reaching the bust structure or bilities.

10C.02 DC Distribution

(0(:.02.01 DC Distribution Parties

The Main DC Switchboard will be located as specified in the port engine mount

The DC sub-distribution parals in non-markinary spaces will be installed in a connect that hides the enclosure from direct view (behind joiner work). Panels will have to be easily removable.

DC distribution pages will have the following features:

- Voltage commutanters to show bassey voltage and perforation DC system commiss. These
 project will have over-contest protection.
- Single pole branch circuit breakers will lave a split but and the bar tie switch will be nothably
 closed when the percessors are peralleled of cauth DC abor circuit.
- Countried and Negative buses.

Sub-distribution passia for DC piropits will be as follows:

	Loculero	ट्रिल्ड्स	<u>Circult Anne</u>
1.	Meth DC Switchboard in Port Engine Room	TBD	1BD
2.	Port ling Rm 24YDC Sub-Distribution Panel	TBD	'fBD
3.	Sales helm sterion 24VDC Sub-Distribution Panel	TED	Π_{MD}
4.	Salum behn station 12VDC Sub-Distribution Panel	THE	THI

Van Pelegkous & Lauriot Prévont Nuvol Architects

10C.02.02 DC Distribution William

The Builder will determine if the emergency lighting and alarm system wiring may be continued with the control and renalize system wiring.

The DC distribution wiring will be blooted to:

- Engine mean storting and control systems.
- Honorgency lighting and alarm systems
- Control and maniter systems
- **Security system**.
- Макерыйно ільтовыя
- Communication equipment
- Toilet valves

10C 03 Batteries

10C.03.01 <u> Engine Room Sturt Bayery Banks</u>

Each engine room will have a starting bettery bank consisting of two battories in spries.

Manufacturer Nurth Star Battery Co. (Meridian Marine) Турю; NSB130FT (AGM) Nunder: @ total; 2 in 2 banks Voltage: 12 you gett

126AH 1500 Merips Octobing Appre Capacitys

Weight: 38 kg caelo 152 kg total.

Diagensions: 560 l x (25) w x 227 h (cach battery)

*190,93,6*2 24 Volt House/Emergency Badery Sank

To be located in those deck under the Sulon balin station, our bank of two (2) vali cells. compacted in scripts.

Mineralisenment Mastervolt MY8V1260 (Ga) 'Еурс: Nepaber 52 Voltage: 2 volt cells: Capacity: J200 amp-boors Weight: 97 kg each; 1,164 kg total. 215 1 x 277 w x 688 h (each) Dimensions:

24 Vale CIMPASS Radio Battery Bank <u> 180-03,92,</u>

To be located in the Salon belon station, two 12 volt cells:

Manufacturer Mastervolt TBD Type: Number: 2 total; 2 is a freely Voltage: 12 volt cell Capacity ТВВ аптр-поиз TBD kg anch; TBD kg total Weight

Dianausiops: TRU

Von Petegbaro & Lanafot Prévest Naval Architecta

18C01 CHARGING SYSTEMS

19C:04.01 General

- The 24VIM: start battery banks in each engine tooms will be charged by a 50 amp AC provered battery charger.
- Two 100-amp battery chargets will charge the 24V()C house/envergeory battery bank;
- One 58-array battery charger will charge the 24VDC GMDSS Radio battery bank.

IRC.04.02 Raftery Chargets

Hattery chargess will have the following features:

- Dartery chargers will be the folly automatic type.
- Battery chargers will have internal over-correct protection on the DC mapul.
- Battery chargets will have vallage regulation with temperature compensation.

10C.04.03 Engine Room Hatter Chargers

Marini Grandes No.

-	MINITED CO.	133 TREAT A COLUMNIA DE LA COLUMNIA DEL COLUMNIA DEL COLUMNIA DE LA COLUMNIA DE L
٠	'Eypec	MASS 24/50
•	Model.	49020300
•	देशेमम्बेस्टाः -	2
٠	Voltage primary:	180-260VAC, 1 planse, 60 Hz.

Valtage secondary: 26.5-28.8V DC

- Dual դպերս։ Yen

Démensions: 343 les: 262 w/s 120 d.

Weight: 5 kg

18C 81.84 24 VDC House Hovery ency Rattery Charger

Miscopined, to be located in the Salar helm station:

Maoufacturer: Mastervolt
 Type: MASS 24/160
 Model: 40021000
 Number: 2
 Voltage prinasty: 180-260VAC, 1 phase, 66 Wg
 Voltage secondary: 26.5-28,8V DC

Diownsions: 422 h x 318 w x 150 d
 Weight: 9.1 kg

10C.94.05 24 Volt Chapter Radio Bartery Chapter

To be lighted in the Saint belts station:

Manufacturer: Mastervolk
 Type: MASS 24/25
 Model: 40020250

Numbre: 1

CEMENT	Designed	Contract	Specific	enimos.
1.14.10.11.01.1	E-DAMPET	COMMISSION	SPIELLIN	,nurumun

Van Petoghera & Lauriot Prévost Naval Architects

Voltage pristury: 180-266VAC, 1 phase, 60 Hz
 Voltage secondary: 26.5-28.8V BC
 Charge carrette 25 any
 Dual codput Yes
 Discussions: 325 b x 221 w x 152 d
 Weight: 2.8 kg

Alternators

10C:05

Each quin eagine and generates will not be provided. Charging will rely upon battery chargers as a messe of earlow, weight.

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GEMINE Project Contract Specifications

Van Petaghem & Lumiet Prévent Naval Architects

10D LIGHTENG AND PLUGS

The lighting systems, will be state of the act, high quality, matter littings and accessuries, installed in accordance with the interior designers plans.

Lighting systems for interior compariments that one technical near will be provided with animal compass unity. Other industry and exterior lights, where indicated, will be distrable.

"Lungary arms," are considered to be the owner's suite, solons, guest accommodations, including upper deck and main off deck. These lighting systems will be controlled by Light Tanch nystems.

2011.07 Switch Material

Buildlead and wall switch plate materials will be as per part 13 Interior Consepts for leavery acess.

Switch material for interior compariments that are crow accommodations, bridge, matchinery areas, gathey, orew russ and service areas will be appropriate to the location. The Builder will provide the Owner's Representative with several options for selection.

Treated a suppo

Other areas

Monthscorper:

Light Teach or THD THD -

Conversationales

Light Touch or TESD TED

10D.02 Plage & Socket Connectors

Plug and speket connectors will comply with Class Rules.

The number will be sufficient to provide for service steats, enterts/treacut and passanul use. The plags will be as specified in the Part 13 Interior Concepts. Guidelines as follows:

- Vinch bests will have one play.
- Each desk will have a uninimum of two glugs and a CAT'S plug for the computer network.
- Each holkhead will have a plug for every 4 m in bulkhead length.
- A drawer or locker at the salon navigation stating will be provided with a minimum of 6 plant to charge radios and other small equipment.
- Plags located in wet locations, such as heads, gatley, engine cuture, tender comparament
 and protected deck tocker locations are to be ground fault protected and will be provided
 with amistate proof or wateringly covers in accordance with regulatory requirements.

Машивовият.

TBD

Muscleh;

779,01

Note that there may be floor plays in the sature. These are to be flush mounted plates with covers. To be selected by the Builder.

19D.03 Interior Lighting

injurior lighting is to be specified by the interior designer as laid out in the plane.

All lighting lighed below in 120 VAC, fill cycle with exceptions as noted.

More that there may be some additional lumps required extitle final design.

Ruth sizes are to be determined later by the Interior Designer. All lights are to be rated for the environment that they are in; e.g.: unistance proof, contribute, explosion proof.

For night vision, individual lamps, at lamps with dual tables are to be fitted in apprepriate locations of the years). The total numbers of hearings are to be determined. The probable just of areas is as follows:

- ១**ជ្រាំពេល** បុរី។ 🔍
- Navigation statious
- Exterior stairways
- Alk Wein deck;
- Salot
- Enterior stainways
- All lower deck pastageways and estrice meas.

The following interior lightfug is affected for budgetary purposes:

10D.03,01 Interior Lights

Particular ottentime should be puid to ensure that leadingons and the gulloy are larighely lit. The interior light list is an follows:

10D.03.01.01 Mula sulga

The main salon will be provided with 20 down lights on 4 circuits.

The bar will be provided with under counter lights (TBD).

The anxigution station lighting will be appropriate for night use. Lighting is TBD.

Indition lighting will be provided in reiting recesses and at those level under the har, three side furniture and calonics.

181), [13.01.02 Entertainment Loudge (TV 8184)

The entermination of the provided with 8 down lights on 1 securit.

factived lighting will be provided in ceiling recesses and at floor level under fixed side familiare and subiners.

10D.03.01.03 Forward Passageneey & Enery Styles

The forward passageway will be provided with 6 down lights on I discuit,

Indirect of Book level lighting will be provided at Rook level under fixed side formings and exhibits.

States will be fitted with indirect lighting for each state with an overhead landing over flown light.

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1011.03.01.04 Forward Owner Suite & VIP Cabin

All lighting circuits will be on dimmer control circuits.

Each gabin will be provided with 12 down lights. Circules will be:

- Ar entry door, door to dock and closet (4 lights).
- At best area (4 lights)
- Hatimore (2 down lights plus mirror compant lights)
- Shower (1 light)
- Tosfet (1 light)

in reldition each closet will have internal lights working from a door activated switch.

Pack hed will have 2 cooling lights.

lastices or floor level lighting will be provided at floor level andor fixed side familiae and cabinets.

10D.03.01.05 Port Hull Clust Cables

All lighting circuits will be on dimeter control circuits.

Each cabin will be provided with down lights and indirect lighting. Circuits will be:

- At surey duor and floor area, (6 lights)
- At hed area (2 reseting lights)
- Indicect ceiling and floor level lights
- Badiroom (2 tights plus minor column lights)
- Shower (1 light):
- Toitst (* fight).

in addition each chart will have internal lights working from a duor agricated switch.

indirect or fixer level lighting will be provided at floor level under fixed side fundations and cabinets.

10D, 63.41.06 Crew Accomprodution Cubius

All lighting circuits will be on diagnost control citerius.

Each of the four caldes will be provided with down lights. Citable will be:

- At easely about and floor wear. Capt: 5 lights; other onew; 4 lights.
- Reading lights at bed sica (light each both position)
- Imprect flane and calling lightu
- Badgroom (f light)
- Shower (1 light)
- Toilet (1 light).

In addition each closer will have interest lights working from a door activated switch.

10D 03.02 Technical Aroun

100.82.81.81 Crew Mess & Laundry

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All lighting circuits will be an dimmer control circuits.

Crow mass will be provided with (8) down lights. There will also be provision for night lighting. Indisect on floor level highling will be provided at floor level under fixed side furniture and cakingto.

The banking will be provided with (4) fown lights.

10D.03.62.02 Gulley

Galley lighting will be involved with multiple elecuits for night and day use.

•	Circuits:	2 % overhead; 1 moder counter; 1 % indirect
•	Magastactures:	(1)(1)
•	Model:	TØD
٠	Rated:	JED
•	Manjapiton	TEO CET
٠	Power;	120/60
•	Dimensions;	ਰਭਾ:

10th 03.62,03 Tender Compartment, Part & Sthil Lagurettes

The tender compartment and because will comple petrol aptive battery systems and require appropriate rated factures.

	Number:	2 for part fagarette
		2 for albid legitedse
		2 of 4 for sender compartment
•	Musipfacturer:	Aqua Signel, or oqual
٠	Model;	จัยเ
•	Resed:	<u>Free</u>
٠	វិសិយក្រុម្ភានដល់នេះ	COTT:
•	Power;	120/60
	Dimensions:	ТВЮ
	Write.	ZIUZ

10D.03.02.84 Engine Record

Each engine room will complin six (6) (horescent fight fixtores, one (1) of which will be a self-contained entergency light. In addition, there will be a bilge light provided forward and all of the engine.

I v 40 wast afternoon

Primary lighting:

Whater these

٠	Principals	2 bes, combingsports
٠	Manniacturer;	<i>չուրը ընթա</i> ն, ո ր շված ի
•	Madel:	1044405200
•	Rutest	1P 67

GEMINI Project Contract Specifications

Van Potenhem & Langiot Prévost Naval Architects

Power: 120/60

Dimensions: 1340 x 192 w ± 109 d
 Weight 5.6 kg cach

Emergency lighting:

• Manufactures: 1 per compartment
• Manufactures: Agus Signal, or equal

• Model: 0244466000 • Resul: EExa

Uhanjoution; 2 x 40 wat ricment

• Power: 120/60

Dimensions: 1400 x 236 w x (63 d)

Weight 14 kg sach

1013.03.92.05 Refeleoroged Room

The walk-in refrigerator will be lighted. The switch will be incuted outside the does and have an "on" indicator:

Nonebet:) per compostuncié.

Manufactures; TBD, or Aqua Signal, or equal

Modely, 1864/495200

Refed: 1P SI

Ulumination: 2 x 135 wert element

Power: t24/60

Dispensions: 1340 x 192 w x 109 d

Weight 6.6 kg

10D.03.02.06 Other Areas

Additional lighting will be provided for the following spaces. The lighting will be installed in protective cachonates sated as required by the Rules.

- In upper deck techniquelt areas (2) (at captive recks)
- · Saif locatre

100.04 NAYSOAYSON LIGHTING

Navigation lighting will be in accordance with COLREGS 1972 for sailing yaches 229 <50 meters. All navigation lighting is to comply with the approval of the Pieg Administration. The highling will be arranged with proper panel display and alarms so required by the Rules.

The following light models are scheded from the AquaSignal 2002-2009 catalogue but on said intended to gastriet the Builder to fair requirecturer.

Navigation lights to be controlled from the MIMIC panel at Inside navigation station. (unchor, states, now, MUC)

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1.19

1611.94.61 Burging Lights

All primary running lights will be dual lamp firstures if required:

٠	វិសិស្តដាម៉ាតែលេខានេះ	Aqua Signal 70M series
•	Poglatida	3584205
٠	Sthe side	3583105
•	Stateming	3581005
•	Stere	2582705
٠	Rate#)(γ 5δ; IMQ
٠	Power:	2 x 65 wait; 126/60
•	Dinsmine;	550 h w 220 sq some

10D.04.02 Anchor Light

The unclear light will be simple fixture lamp. The forward anchor light will grount up the forward beam strut.

٠	Margifacturer:	Aqua Signal, or equal
•	Mødel:	3070705
•	Namber:	í
•	Rated:	19 56; IMO
4	Powes:	65 years, 12060
٠	Dimensions:	320 li x 720 sq base

100.04.03 Mula Max Lights

in addition, the yessel will be provided the following 200° lights assumed on the main must.

•	Manufécturer,	Αιμια Signal, or equal	
•	Mastace4 top	367 ₇₆ 0169	FEVE
•	Mad side शिक्षेष्ठ व श्र्क	307 sprives	green, mounted with 2 m vertical accuration to manhead red.
•	Ruteð:	ir 56, B4O	
•	Power:	65 water 120/6	Alt
*	Dimensions:	320 b x 220 sg	fyse

10D.03 EXTERIOR LIGHTING

100,15.01 General Deck Lighting

The following deck lighting will be provided. The Builder will provide light specifications for the approval of the owner's representative.

- Sufery and coursesy lights, as required by the Rules, at all exterior states, transum steps, forward cookpit and cutries, litcholing: upper fleck states and part/sthd aft main dock stries to interior.
- White lights in all forward opologic storage and ground tackle hockers

300,85.83 Main deck all

GRAMM Project Contract Specifications

Van Pereghem & Laudot Prévost Naval Architects

The aft main dack overhead will have flush mounted lights and indirect lighting in the ceiting recess and under floor furniture, composed by the Light Touch system. The final arrangement is to be determined by the Architect.

Down Lights

25 Plumbur; Circuite:

Manufacturer: Underwater Lights, or equal

Model: MRIG 88 65 Katab

50 watt, 120/60 Power

Rollecter: Angle to be determined ($10^{\circ},70^{\circ},30^{\circ}$ ant $(^{\circ})$ Districtions: _beset; _ mm cutant; _ mm depth

laditect Lights:

789

100,03.03 Univer Deck

The upper dock lighting will be mounted in the awaing frame for such illumination. The following is provided for budget purposes:

20 white down lights Number:

Circuits:

Manufacture: Underwater Lights, or equal.

Medium cycball Model;

F 63 Rototh

Power: __ walt, 115/60

11811.85.84 Deek Flood Lights

Deck flood lights will be reputated under the main most antenna expects to illuminate the force deck area and alt upper dack.

Man circuits: Port bow Sibd bow

Fort appear deck Sibd apper deck

विद्यामध्येत 4 Chouses

Maradactares: Claderwater Lights, or equal 923011-120V Pur 30 Model:

Most Klopd Lights 101<u>2.05.05</u>

()PMINI Project Contract Specifications

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Main deck installed thook lights will illuminate the natin most. These will be welded aluminum inserts in the stain deck to per the drawings.

Number:
 Circuits;

Manufacturer: Underwater Sights

Model: PAR 30 Adjustable Flood Light

Rated: IP (

Power
 Reflector:
 Selector:
 Selector:
 Selector:
 Selector:
 Selector:

Oless: (5 mm (for weather deck erea))

Dimensions: 244 w z 138 d x 208 h

18D.03.66 Controllable Spot Lights

Remote controlleds specificity will be provided with that operation stations. One light will be intended for port side use from the port flybridge helds with common expertion to the inside helds. The after hight will be intended for sibd side use from the solid flybridge below with remote operation to the inside helds.

The controllable specifichts will provide for full 160° coverage with maximum overlay possible.

Number: 2 (et a single Hgla)
 Circuiss: Epicpendena

Manufacturer: The Certists & Finels Co.

Model: 'CY2EDG-RS'
 Power: 2P5320; 126 VAC
 Dimensions: 386 i x 324 w x 333 h

Weight: 12 kg
 Weight: 2x C4-3-1
 Slave central: 2x C4-2M-1

10B 05.07 Docking Lights

Lighting will be provided in the aft upper deck for night operations with the trader and docking. Lighting will be flock mounted to be both using weblied alteriored inserts as per the drawings.

Number Cisosia:

Mannfacturer: Under water Lights

Model; PAR 30 Adjustable Flood Light

2

Rated; IP 68

Proven: 150 wort; 120/60; metal halide remote discretable

Reilleuton 99 pan diz; 45° angle

ւ Glass: is որտ

Dimensions: 246 w x 135 d x 203 h

Weight 3 kg

GEMINI Project Contract Specifications

Van Petegbern & Lauriot Prévost Naval Architects

10D:05.08 Undervoter Lights

Underwater lights will be provided, both for safety and visual effect. The lighting will be unlifted in fixtures below the waterline with the following ejecuite:

Circuits:

8 lights inhoard halfs between (2000 and 2000)

16 lights outbeard halfs between 0000 and 18090

2 lights inhosed at 34000 (anchering) 2 lights inhosed at 38000 (anchoring)

Nurder: 36
Creaits: 4

Materials: Linderwater Lights

Medel: G006,-230 (models vary for projection pages)

Raced: Type approval for employments use

Payres: 150 watt: (21/60

Reflector: TBD
 Digrensions; TBD

Weight: 2.5 kg lang feature

2 lig bathast

100.00 EMERGENCY LIGHTING

Energency lighting will used the requirements of Rules. The Boilder will work with the Administration for the required safety lighting. Note that we have specified safety lights on the interior light. The wasternumber was type too to be confinited by the Boilder.

Allegrasys, imment and external ordinarys and exits giving necess to and including the suister and endoklation stations shall be adequately highed.

Additionally, each calsis and nuclessed occupied space will be provided with one floor light.

Adequate lighting is to be provided in the vicinity of serviced costs and the 'overside' area in way of the laprening position(s). The lighting shall be supplied from the energency scalese of power.

×

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£7[30 [8 ≈8×4

Begindforg spödipsf र्वे ज्ञा

Publicar will install the systems to accessing the supplicars' requirements. BET INVISION Substitution because will no hereligib and like minute stratege has enabled fluid and? An exists an impressed current collectic protection system by Cornelic Led will be provided.

In addition, a Lea Water Pipewook antitouing system will be provided by Colbelou Lid.

Physic refor to the ottoched quotastest and stapplied deswings by Califeloo, 1,14.

NOLICATORA BNIKLUBIT ROIGHLYS

मक्तुंज्यास्त्र वेद्यासम्बद्धाः र

202887

त्रका

2695 InqA, 85

A figurating processions systems in presenting and second material final design is to the determinant.

Van Peterkern & Lauriot Prévest Naval Architects

11 ELECTRONIC SYSTEMS

The vessel will be confitted with electronics that are slate of the art at the time of construction. The cavigation and communication equipment are to be complicate with SOLAS and Global Maritime Distress & Safety System (GMDSS) for AJ service and other requirements as applicable.

The electronic systems will be Owner supplied, provided by Larry Smith Electronica, (LSB) Rivieto Benefit, FL. The Builder will coordinate engineering requirements for the electronical systems and provide support for the invalidation of the electronic systems as required by LSE.

This is a preliminary specification is subject to final engineering, revisions and updates in technology.

A provisional list of equipment follows for planning purposes. As contracted arrangements for both the Builder and LSE are pending, the Builder will provide a provisional budget inclusive of all support to be provided as follows:

11.67 Eluctronics System Suggest

The Builder will provide the following work for the electronic systems:

- Running all cables in accordance to schematica provided by LSE.
- Manufacture majable boundings and control positions, or well as the cutting, striking and tagging of sucfaces to mount showcools equipment.
- Supply sulpible power somultaments in accordance to wiring achiematics provided by £.SE.
- Provide for the safe stowings of all delivered equipment and to provide suitable tofiase facilities.
- Provide air conditioning to the electronic cabinets.

17.02 Florisonie System Power Supply

The main power supply will be 115/2016/1/60 VAC powered from the unit observed panel and consequency electrical panel. The secondary power supply will be the 24 VDC battery bank. The DC power supply will integrate with the energency lighting.

The Power supplies are to be stood abone cable mass, with a single bow to setto run in each ball, with cross-over lines and vertical run to the wheelhouse. All power wass, computers, monitors, date acquisition because and panels will necept and require dual voltage appely.

11A CONTROL, MONITOR, ALARM & SECURITY SYSTEMS

A Radio Zociand LOSF BV versel data acquisition and anisty system capable of monitoring up to 2000 data points will be provided, to be in compliance with Class Rules and MCA requirements. The Builder will hadget for \$50 data points. This system will promiter additional vessel innerious not addressed in the navigation light sufety and control panel and will include, but not be finaled to the following:

- Storing systems
- Main sugine systems including pitch control
- Generator and objection systems
- Thruster operations
- Bilge and fire pursy systems:
- Puck systems.
- मृष्टिश अधात इप्रमध्यकः

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- Hydraulic systems:
- Риссиний бустена
- amentegy for edical
- Waste trealment systems
- Refriencións avatema
- HVAC systems
- Hotey prints & implies as required
- MildEC transforaction.
- Rigging looks and sailing data (estimated 50 data points).

The data acquisition system is approach over a local area network with workstallong at the salon it!!ide helli sintien, ily bridgo helm stationa, cogine mome. Capmin's gobin, and Engineer's cobje. This network is to be fully redundant and can be operated from any one of the appliphe computers should there be a failure.

The Greathtection and stanuarystom is to comply with Class requirements and MCA Part 14, Fire Protection and as appointed to part (72.0) of this specification.

The maritor, control and shorn systems should roset Clarx Rules, MCA requirements used the standards of SOLAS regulations H-t/ Part E~ and additional requirements for periodically un eldenitoriq bas oldancean ai fi ex ist o, (ediciparação rolles) enora practicalistica beliantador de conferma

13,6.83 Control & Munitor System

Provisional Constal & Munitus System Equipment list is:

Cantrol & Monther System

A computer metajoth system will be provided by LSE.

Pari	Model	Neumbrer
Radio Zerland Bruickov 5000 Computer	RAD-BRAIN-3000	I
Nerwork		<u></u> _
D-Link Marina WHT Receives	} DWL-6519	
Program Bird 2.4 Gig WiFi Angeana	FRE-2,6-ANT	
FEE 3DOM 10/1/9 24 Port Switch	1.36-3COM	1
Atlantic Modular 8 Well Plate	MOD-FLATE-S	

I13.93Section Systems

Provisional Security System Equipment list provided by LSE:

Part	Madet	Number
Pagusonic Outdoor Unitized PTZ Cornera	PANWYCW864A	<u> </u>
Partisonic Unitized W/Present Color Camera	PANWYCS#\$4B	2
Евех Санел Новалу	RX406-DC-RW	2
Parasonic Vandal@mistantMiniDom Comera	PANWVCW474S	2
Panasonia WISX 150A 16x4 Majrix Switcher	PAN-WISXISDA	1
Panasunie PS Flata System Controller	PANWVCU630	
Parjustanic Heart Prove/16 Clausmet 3200B	PANWIHD500BV	
intelface	·	}}
Alternia 8 Caristan Power Supply	ALTV1224-1	

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GEMENT Project Connect Specifications

Van Peteghesti & Lauriot Prévost Naval Architects

Crestony Professional Dual Bus Ord System	CR5-PR-02	[]
Crestron Single Port 10/100 Control Card	(RE-CRENET-1	i
Cresume 16 Surface Custom Panel Interface	CRE-CNPI-16	2
Creston Truckputch Contint System	(RE-TPS-4500LVI)	72~~~
Caretrum Back Hax	118-5019	2
Crestron TPS-VIO-1 PCB Card	CRE-TPS-VIDI	7
Construct Eye 6.4" Country one	CRE-TPS-3000E	2
Cresting BB-3000L Back Birs	BB-30001.	12 ~~~
Crestom Color Fouch Well Mounted TouchPapel	CRIS-CTIRO	1,
Crestron Back Box CE/LC1000 Walk Mount	BB-16001	77
Cresting Connecting Black	CAS-CRITICOLS	TT
Clearen CNPWS-75 Power Supply	CRE-CNPWS-75	11
Weekand USB Converter	WIR-OEM-WS2USB-V2	2
	<u> </u>	<u> </u>
		2
Proximal Plus RDR-6005B Render	PRO-RDR-6805B	2
ProgKey [I BDQ-1346 Card	PRO-BDG-1346	20
PAGING SYSTEM	1	
Visiplex VS40 2W Digital Transmitter	V15-V540	2
Visiрых Афрадиретіс Радет	VIS-VP-2	: 10
DECK SENSORS/DOOR CONTACTS		~ ~~
Sure Action SQ-111 Zone Processe	SIRUSULEE	132
Suro Action SU-ENIH Stress Sensor	SUR-SU-ENTP	148
Altronia 8 Camero Power Supply	<u> አር</u> ፓሃ1224-1	1
Duar Comma Security	CHU SONTTWEE CAN MANTE	10
Purt	Model	No
THERMAL IMAGING CAMERA	F	12.00
PRESENTATIONS WITH STREET ASSESSMENT OF THE PROPERTY OF THE PR	%V7√NN30001	<u>:</u>

114,03.01 Security Safes

The Budder will supply and destall the following sales. Pour becations within the interior design are to be determined. As follows:

Nese: Electronic safes to have key over side.

•	Owner's outlo-	ahoo tatigib luxsis qorgal 1
•	YUP:	i lagton sized digital code
•	Each Guest cabio:	I 'hotel' size digital code (5 total)
٠	ព្រឹក្សដល់០វិទ ៥៦៦ខែដ	1 Jagup sized digital code
•	PVI EACH GIVW:	I 'hotel' size digital cusic (6 tota)}
•	Selon Ship Sefos:	£ បុគ្គលើវារស់នា នងខែ
		1 digital table

Van Pringhem & Estriot Prévost Naval Architette

11A-04 Ara Disjection and Atarm System

The Builder will coordinate the installation of the fac detection and clarps system sources with the couple and monitoring system.

11B NAVIGATION AND CONSTENICATION SYSTEMS

A provisional list of equipment follows for planning purposes. As contractual arrangements for both the Builder and LSE encrowthing, the Builder will provide a provisional budget inclusive of all support to be provided as follows:

IIH II Solling Instruments

SPEED/DEP TIMPING, to be 11 VICC Steen voltage convertor.

Part	Model	Not
B & G Hydra 2000 Craiso Pack	BG-RY-SYST-1	2
B & G Type 213 W/80 Col, J-Box Mastlesal Unit	ECH1030000	2
B & G 36M Mast Vertical MHU Cable	BQH030006	<u> </u>
B& OHY 2000 Full Prinction Display	BG-HY-FFD-PK	(3
5 & G 360 Deg Wind Annie Display	DC02156401016	13
B & G IF (2020 Red Display Pack W/Switch	BG-J(Y2020RE()/S	4
B & G Air Temperature Sensor	BG-124-00-956	1
E & G Barthereric Programs Sensor	BC\$59000007	
B & G Sita Temperature Probe Sensor	BG-224-90-065	1
B & G Brouze FlighMt Depth Transducer	SEN-DET-HAW	7 2
B & G Brown FlushMt Speed Translation	32N-S1D-HMP	
LSE Remote Transducer Switch	LSB-XDCRSWITCH	i i

11H.01.02 Rader and Navigation Equipment

Part	Model	No:
KADAR		· · · · · · · · · · · · · · · · · ·
Francisc 2127 Block Box W/H Array Radar	FUR-FAR712798/4	
Familio Gyre Interfact Board	(GC-10	2
Funno 21x7 Radur Remote Trackball Costrol	RCU916	4
Chartplotter	- 	_{
Radio Zeeland Brainston 5000	RZDQ1639724	
Transet 153,980 BCS Champishing Sulterns	TRA-1483800	
Transas World Collection Color Vestor	TRA-3000	1";
Transas Als NS3000 Transporter Interfect	TR-N-SWILIS	1
Transas Radar Integrator Board	TR N-HWO-61	1
Valhalla Flexible Grey Watergroof Keybourd	VEI-PWK	i i
Valuatio 1007 Wireless USB Blk Keyboard	VEI-WRFKYED	
Valladia 100 Witclest RF Mouse	VEI-WRPM	1
DIS Cat 5 Street Holeschich Calolic		700,
Vollade Kyro CAT Retender	KVM-BX1	<u> </u>
GPS	- 	·
Leica MX420-8 8 port DOPS	LJEMX420/8B	2
Shuszapema 4" High 1"-14 Fbril SS Mexica	SH-136S	2

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GEMINI Project Contract Specificulous

Von Peloghem & Lauriot Potonet Naval Architects

p-//	\ 	
		
AIS	·	
Leica MXXXI ABS+DOPS Winavegation System	LEI-MIX531/NAV	1
Leiga AIS Suffware License	LEI-70460	1
Shakezpeoye 4" High 1"-14 Turd SS Mough	31): 436 5	1
Monitors	[
Valuata 15" Strong VOA Swelcte Montice	V81-15/1500	4
Valhalia 18° 650mt Daylight VQA Monitor	VEL-18/650	3
LSE Custost Vga Switching System	1.52-1825	1
SONAR		
Special St. 34 Plack Bur, Oral Post Sprea	SMA-\$1,3483	1
Surrad 30M SL30 Cable	43601370000	abd .

118.01.03 Autoritor and Grea Computer Nestern

₹3⊓	Model	Nac
CYROCOMPASS	1	
Asschulz Standard 22 G/GM Gyrtrcompass	ANSMINST7213	i i
Apachotz Analog Sheering Reposter	ANSMB\$17020	2 or 3
AMOMLOT		
Anschutz PisotstarD Digitel Autopilot	ÄNSMIST 1950	5
Anadrote PilotstarD Second Stat Autopilot	ANSMIST1954	1
Auschielz Ruckler Augle 1123 Indicator	ANSMBST1627	1
Ausebutz Rudder Angle Indicator Amplified	ANSMUST1652	1
Anteleutz Polleto Up W/Take Over Tiller	ANSMBST1957	1
Anschutz 2 Pao Change Over Switch	ANS4900912B	1
Ausebutz Change Over Ralay	ANS4900910	1
Anschutz Override Tiller System	ANSMEST2001	1
Auschutz Follow Up WiTake Over Tiller	AMEMBET 1957	2
Ansulusz Rudder Angle IP66 Indicator	ANSMOST1649	12
Anglaitz IPS6B RADKOY Diment	ANSMUST 1119	2

11B.01.04 Compasses

Park Singad Magnetic Compass	Michid App-135-6*	ten:
	· E	į

ftb.02 COMMUNICATIONS

हैर्जारहोस्ते -	Tito:
	T1
FEB-FEFB	
000138998	1
PUR-PAX5	
AVti0P8	T4 "]
ng	[A]
	FUR-RC1815 FUR-RC2900 000138998 PUR-PAX5 Ayd0P8

	T'	
Control 13' 1 Plane SSR America	AT751523-2	- 2
Stakesprare Swivel kit 81-3 Mot & 408 Upr	St1-410	12
Antonia Monats	<u> </u>	
Pusung Feltomit SSAS Operade	SSAS/F15	1
		
Vity		
Standard Quantum Black DSC/VHF Radio	STA-GX2360S	2
Comrod 8' 6db VHF Angense	AV6028	12
Britisher Mande J., Dary: Vagetina grentu.	រុកថ	13
	<u> </u>	
HANDEELD VIEWS]	-
Storland HX460S Black 5W N/H VER	STA-HX46080	6
Manufact Musics Charges 6 Gang Charges	MC6/HX460S	1
Icom 2WGMDSS Submersible RH VHE	LCO-GM1500	_ <u></u>
		
NAVTEX		
Figure MASSE GMDSS EMO Wavier Receiver	FUR-NX500	<u> </u>
Furuno NX5 Active Antequa Complex	FUR-NX\$	
Furuno NXXXX External Data Corrector	1904511790	
Correct Whip Anteons	AR88-108M	<u>\</u>
Shokespeare d" High 1"-14 Third SS Mound	SH-4363	
\		
SATCOM	·	 -
Neto Fleel 77 Impusut B System	NER-677	~_ }
Nera Temenal Adapter	WERTA	
Valuata ISDN Figet 55/77 Morleus	Ver-ison/M	~
Nera 1733 Satellita Communications System	NPR.P33	
Nera F13 Terminal Adapter Kit	NER-WC-TA	
GRARY.	J	
Nor.Airbores \$1520 SaiFind 406Mile, GPfRII	NAT-81530	7
	F	
SART		
Nor Airborne 9GHa Portable GMOSS SART	NAT-9420	. [].
BATULLITE TELEVISION	1	
Orbit AL 7703 SOCM SanglifeTV Aptenna	OR11-AL7203	
Odrit American DAS UNER Kin	18-0426-4-1	
Orbit Europeun Kit	EURO-KIT	
Orbit Remote Control Via Madean Kit	ORB-RCVM	
	~ 	

113.63 Telephone System

Part	<u>Դ</u> ջօգե	No:
TELEPHONE SYSTEM		
Paustonic KXTDA200 Hybridil 1x192	PAN-KXTDA200	7-7-
BosicPSX System		
Pagasina J. Type Poner Stephy	KXITIA6103	
Punesonic 16 Port Analogue Line Card	KXTDA0181	
Panasonic Option Card	KXIDA0190	1
Ранагоніс Капаче Малисондне Сиф	KX7DA0195	
Panasonic S. Pors Digital Hybrid Line Card	KXTDA0170	<u> </u>
Panasuric 4-Port Door Phone Card	KXTDA0161	1

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	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Panetsonic 4 Post IP Card	KXTDA0484]
Pauseonic KXTIAS3TokDhap242mnBi Spler	PANKXXX7453D	
Рынс	<u> </u>	ŧ
Paussonic EXT7425Dig 24ButmaBik Spkr	PANKX174258	9
1 Pilmie	1	_)'
Parassage 900adriAndtiLineCordina Telephone	PAN-KAT7685	12.
Okidata Microline 184T Strast Impact Printer	OKI-MLISTT-S	1
UPS	TETSURONET TET	11
<u> </u>	SU700NET 700V/430W	_ [
CELLIDIAR TRIEPHONE		7.
Telplar SXSc (7SM 859/1900 Cellular phone	THE SX5EGMSY/F/PC	1
Consted UHF/GSM Muld Freeponcy Antenna	ACISP	Ţ.,
Process Plange 1" Deck Astronya Mount	PLO	, j ī
		77
ENGINE ROOM PHONE		
LSE Confloss E/R Phone W/Hexiset	LSE-CERPS	12
Amesto SKN Islue Strobe Light	ASSSX31SE1B	7.
High Output Loud Ringer	196-U Al)(nl	
10.1_BL		

11C ENTERTAINMENT SYSTEMS

A provisional list of estertainment equipment is as follows:

11C31 Main AV Distribution System

Part	Model	No:
Kateidespine Base System	KAL-KBASESYS	11
Kalejdewape (Ses For Region 6) DVD Resider	KAL-KREADER-2000	[]
Kaleidestape Movie Player	KAL-KPFAYITR-2000	7
Thinger TV HD Tuber	PIR-ND	13
Fauron DA6 YUV A Distribution Asop	60-494-01	13
Extran Composite A/V Distribution Amp	60-692-3)	3
Audio Request F Series 200 Pro 3 Zone Music	AUD-PSERIES-200	32
Server	<u> </u>	
Extrue MDA SA RCA Distribution Amp	60-441-01	
Crestron Video Souser Module Multiswitch	CRE-STVS	3
Middle Atlantic Rack Allowance	MID-RACK-B	
Speaker Craft CRS & Two Speaker Patr	SPE-A8M86820	7
MB Quart 6.5" Marine Speaker Paix	MBQ-NXXX116	Į ž
Crestrust Color Fusch Wall Mounted	CRE-CTYOU	
Touchitanel	l	_Li
Crestrop Back Box CEA, C1005 Well Moset	1000F	
Creatron 1-Way Remote BF Receiver	CRE-CNKFGWA	
Clestron Waterproof Handheld Remote	CRE-WPR-48	

11C.02 Psybridge Systems

Pari	Medid	No:
Clarium AM/PM/CD/ Controller	CLA-XMUL-RET	1
Clarion Waterproof Control W/24 Cable	M301RC-RET	1 11-
Charton 24 Extension Oable	MIDIRACART	
MB Quart 6.5° Maxine Speaker Pair	MBO-NKD116	4

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Van Peteginem & Lapriot Prévosa Naval Audithoria

	····	
MB Quest 10º Marine Sahwoofer	NWD254	2
Chrima 320W d/3/2-Chaustel Power Amplifier	CLA-APX480M	3
Creston Color Fouch Wall Mounted	CR.5-CT1900	1
TonchPsted	L	
Crestrop Back Bax CDLC1000 Wall Moust	BR-FROI.	1 3

11C.03 Main Salon Systems

Part	Madel	No:
Speaker Craft CRS & Two Speaker Pair	SPE-ASMEGH20	2
B&K Stereo Amplifeer	BK-ST125.2	1
Creation 2-Why Wireless Touchpanel	CRE-STX-1780C	1
Creation Creater Volume Control Methole	CRE-CZH-PPEQA	,

11C.04 TV Room Systems

2273	Musel) No.
NEC 61" Players Display	NEC-EX-61XRAA	
NEC Wall Mount Brucket	PWAIR	
Sony (IVP-NS575 DVD Player	SON-DVP-NB575	
B&K Audio/Video Receives	BK-AVR305	
BAX 12-Cliancel Power Amplifier	8K-AV1200	
B&K 6-Chausel Power Amplifier	BK-AV2690	
Speaker Craft AIMS Flvc Individual Speaker	SPU-A8M93875-1	5
M&E Sound 8º White Softworter	MKS-MX700	
Creating 2-Way Wireless Touchpage!	CRE-8TX-1700C	
Creatrum Professional Datal Bus Cirl System	CRE-PRO2	
Creatings Simple Page 10/100 Control Card	TRE-CLENITY	
Creatron Cresnet Volume Control Module	CRE-C2N-VEQ4	
Crestron Connecting Block	CUE-CNURLOCK	
Greetern GNWS-75 Power Supply	CRE-CNPWS-75	~_ `
Creamin Bi-Directional RF Gateway	CRESTREGWY	
Creation 3 Past RS-232/422/485 Control Card	CRE-C2COMs-3	2
Linksya & Port 10/180 Etherret Hub	1,3N-109898	
LSE interconnect Package	LSE-ICP-3	

11C.05 Owner & VIPSuite Systems

The women suite and VIP suite will each have Identical systems on follow:

Part	Model	No exels:
NEC 42" Plasus Display	NEC-PX-42XBMZA/S	1
NHC Well Mouse Brethel	YWMS.	15
Samming 8V-7000W Werkbuide Multi-System	SAM-SV7000W	
Converter VCR		
BdrK Andjo/Video Recziver	9K-AYR385]
Speaker Craft Alba 3 Two Individual Speaker	325-457693872-1	13
MAX Sound K9 Powered Satronoles	MKS-KO	
Crestron 2-Way Warefess Touchpage	CRE-STX-1780C	1
Creation Bi-Directional RF Gateway	CRESTREGWX	T
Crestron MP2D Control Processor	CROSSIPZH	
LSE Interpolateet Package	LSB-ICP-H	

GEMBNI Project Connect Specifications

Von Peteghem & Lauriot Prévent Novat Ajultiterts

FORWARD SUNDECK		
MAI Court 6.5" Marine Epesine Pain	PARO VIKDI1E	2
Crestron 6-Button Decorator Keypad	CRE-C2N-DB6W	į

11C06 Guest Cabins Systems

The three (3) guest cubies will each leave klengical systems as follow:

Part	Model	No:
NEC-Afttaibishi 30" LCD Display	NEC-LCD3000-BK	E
Prepriet CIM-VESA Wall Brocket	PRE-CIM-VESA	1
Samsage 100-240Y 50/60 Hz SV5000W VCR	SAM-SV3000W	1
Extron SW 4AV Video Switcher	₹6-4 ₹4-2]	1
IVC Code Free Home Theater	JVC-DS-TP582	1
Speaker Craft CRS One to Criting Speaker Pair	SPB-ASM\$6610	1
Creatron Bi-Directional RF Gateway	CRESTEGWX	1
Creation MP2E Control Processor	CRE-MP2E	t "
LSE juterconnect Package	LSE-ICP-B	1
*Note: Optional Crestres STX-1769C	7.01	
2-Way Windows Translations!	<u> </u>	

110.97 Galley Systems

Part	Model	No:
LGI 23" LCD Display	LG-1,2323T	1
Premier Mounts Flat Wall Mount	PRE-PRF	3
Samming SV-5000W Worldwide Midti-System	8AM-8V3000W	
Converter VCR		
Speaker Creft CRS Two Speaker Pair	SPE-ASM86620	2
Erapier 903 Minl-Armilifier	KRA-903	1

IIC.88 Crow Mess Systems

Part	Model	No:
NEC-Missibishi 10° LCD Display	NEC-LCD3000-BK	
Promier CIM-VESA Wall Bracket	PRE-CIM-VESA	1
Surroung 100-240V 50/60 Hz SV5000W VCR	\$AM-SV5000W	1
Extron SW 4AV Video Switcher	60-484-21	1
IVC Code Fees Home Theater	JYC-DS-TP582	
Speaker Craft CRS One In Cuiling Speaker Puir	SPE-ASM86619	
Cycetron 2-Way Wireless Touchpanel	CRE-STX-1700C	
Cressmy Bi-Directional RIF Gotoway	CRE-SYREGVEX	ī .
Crestron MPRE Control Processor	CRE-MP2E	1
LSR Instrument Parkage	LSE-ICP-43	1

GEMINI Project Contract Specifications

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121: R9 Captain's Stategeom Systems

Part	Madel	No:
NEC-Mitsubishi 30° LCD Display	NEC-LCD3000-BR	
Premier CTM-VESA Wast Brucker	PRE-CTM-VESA	
Extron SW 4AV Video Switcher	60-484-21	
Samening SV-5006W Worldwide Multi-System	SAM-SV5000W	
Converted VCN		
IVC Code Fire Home Theater	JVC-DS-17582	
Speaker Cruft CRS One In Colling Speaker Pair	SPB-A58(86610	
Crestron 2-Way Wireless Touchpanel	CRE-STX-1709C	
Crestron 70-Disectional RF Cuteway	CNESTRICHX	
Creatron MP2E Cookrol Processor	CRE-MP7E	
LSC Idlerconnect Peckage	LSE-ICT-E	

11G19 Crew Cabin Nostems

The three (3) snew cabins will each have identical systems as follow:

Purt	Model	Net
Panosport High-Power CD Player/Receiver	PAN-CQ-C53100	
and Ayus, freguet	<u> </u>	
Speaker Ctaff 6.1 O'l Individual Speaker	SPE-ASM96410-1	
LSB Cables & Hardward	1,8B-CH-1.	
LSE Satellite Distribution System	LSE-SDS-F	
LSE CATV & FM Distribution System	ISB-CATY-B	

(RESSINI Project Contract Specifications

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12 Interior Concepts

Refer to the General Arrangement (trawings by the Architects and Interior Designer for the interior arrangements. The clients design from his provided renderings and descriptions for the outcost.

Michael Lench Designs will be providing the design and specifications for the inserior. Their work will be submitted under separate cover by the Owner.

12.01 General Notes

It is the intension that the interior arrangement for this sailing yould, as illustrated in the general arrangement plan, will be fitted out in top quality yacht stanutards. The level of complexity is shown in attached producings.

No space that to be test united. Where reasonably postable, the Suidder shall trake oil 'dead' spaces submble to be used for pockers and storage areas by links, out and providing access for two.

All interior comparents, fluighing and depositive materials and similar items, shall be in accordance with MCA requirements.

Special altention shall be given for propertion and covering of all completed, invished or unfinished perfects during constitution.

All earliers, which may be exposed during use, such as the lackles of lackets, drawers, cabiners, vic., abell mutch the corrounding joinery work unless otherwise suited.

All wood joints, as in drawers, are in be disduct, dovelailed or robbetted, and glood in accordance with the best marks provide or as specified by the interior designer.

The Builder is respectible for providing proper stowage for all Owner supplied equipment as moted in part 16.02

12.02 Mock-t/ps & Sumples

Mack-ups will be specified by the interior designer and awars's representative.

12.83 Gongraf Notes

17.03.01 Paint Wigek & Protective Contines.

All paint work and protective agatings are to be suitable for the maring environment,

- Column, steine and glass, serie of main finishes will be selected by the Owner or his designated. Expresentatives.

All woods are to have a protestive certing applied. This includes all sides and edges whether expressly of history.

12,03.02 <u>Bulkhends</u>

The buildheads and paneling will be constructed of a lightweight cored panel mounted on stoketed supports as indicated in the moise and vibration drawing puckage. The Builder will

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assure required alrength for the ganel area with consideration for mounting speakers, video actuent and other heavy objects.

Philish wood applications will be with veneer application over light weight panch as determined by the Architect and notice/consider consultant.

12.03.03 Callings

As per the Owner's interior designers appeifications.

12.03.04 Fleen

As per the Owner's interior designers specifications with the following considerations:

- All floors will be footing and are to leave remarkable sections where trachinery or system compensus require secess. The Builder will propose a lateb system to be approved by the Owner's Representative.
- The Hoors in the 5thd bulk(arew side) will be redired to the Mick board for easy recorning.
 Drains to the gray water system, with P-traps, will be provided in the galley and laundry floor.

12.03.04.01 Floor and Britinged Timber

Preserves for flower and buildnesses will be equivous cluss of brook. Floring hites will be suggested in a sanklore pattern and beingthe will be recognized.

Sexus for floors and bulkhoods, whether buried and beveled or grooved, is to be determined.

The Builder will prepare a 1 meter x 4 moter sample of febished flooring for approval by the Owner's Representatives and interior designer.

As see the Owner's interior designers specifications.

Tailet rooms to be underest approximately 12 com for visibletion.

All function diports to bear, more entitled dece table backs.

The fire class rating for each door is centained on the Pite Insulation plan.

[2.0%.05, 6] Door Maphoure

As her the Owner's interior designed specifications.

12.03.05.02 Door Lack Sery

Numerous dones for the interior will be provided with lock sets. The total number and type are to be determined as per the Owner's interior designers specifications.

Note:

 Surrespondent device and some insector device may have remote control locks and schools operating in conjunction with the security system.

12.03.06 Plumbing Flutures

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The planding fixtures are to be as per the Donne's interior designers specifications.

1204 AREA DESCRIPTIONS

The interior area descriptions are as per the Owner's interior designers operationtions,

12.05 ENGINE ROOMS AND TECHNICAL SPACE DETAILS

The execution of the engine rooms and technical space, including lazarettes, details will be abovepiece linesh. All equipment will be installed to provide easy access for maintenance, service and orphic. If necessary, may interference will be made removable for service and repuir access.

The main engines will be ordered as "Detailed" engine, having a high gloss paint, clutters and polished staidess steel accessories. The remainder of the equipment and compactment details will be highly detailed fusions with gloss palmed fusions and bead blaced, polished or plated muster.

The isometter and tender compartments with be finished to a high level of detail. In these 3 mean, hydrophic and other tubing and fillings will be polished stainless steeds where visible. The Builder, in coordination with the Owner's Representative, will provide organized strange shelves, lockers or drawers where possible.

Other details to facilities

13.05.01 KEAPT MAINTENANCE ACCESS

STRONG-POINT ATTACHMENTS WILL BE PROVIDED IN THE ENGINE ROOM DECKREAD FOR HOISTS OF REAVY EQUIPMENT, BEFORE THE ENGINE ROOM SOUND AND THERMAL INSULATION IS INSTALLED. LABRLED ACCESS COVERS FOR THESE STRONG POINTS WILL THEN BE ENSTALLED IN THE SOUND AND THERMAL INSULATION.

There coust also be sufficient space between the engine motions and bilge framing, in remove the main engine and respective oil pans. For soccess to the translations.

12.05.02 Engine Room & Bilgs Framing

All intersections of the engine room traits were and longitudinal finding will be provided with limiter holes, to allow for trainage of biggs water. These insider holes should be provided as the fraction from the keel, to 500 sees above the waterline.

13.05.03 Engine Roma Deep Grating

The engine more deck grating will be anodized abundants plate, with a diagrand pattern. These plates abund be instead to the deck grate framing with quick acting fasteners. The fasteness are to be the X turn, nicerall Dear (promounted Zons) fastener. A subbat, insulating type should be applied to the bettern of the grates, where is compared the deck grate framing to proved uncicled-ordered because between the grate and frames.

The dock grate support framing shocks be of abundants, and of sufficient creat section to support the dock grates. The premister framing for the dock grates will be the same color as the

GEMINI Project Convect Specifications

Van Petighen: & Lucriet Prévost Naval Architecta

deck grates. [Mote: This is to prevent paint from being chipped off these frames when the grates are removed for repair/inspection.)

12.05.04 <u>Engine Room Guards & Hallings</u>

Comparis should be positioned around all operating equipment. Thuse railings will be normed to the deck graps framing with guick acting fasteness, to provide easy sweetend during **Τέ**βα**ί**τη.

Gnards should be placed revoid all exposed retailing items sout as britis, pulleys and cooplings,

These greatile करने नवविकाद्ध किल्वाने कि सर्व व सिक्षी पुरस्केश्च अस्तिकांकी उपक्री का विद्वित एकोर्डिकार्क आसीर्थक steel. In the interest of weight, they can also be constructed of anothered aluminate. Composites of carleon fibrs/Keylor are also acceptable materials.

The railing system above each main origine will incorporate a work beach with tool storage. Final design is to be constituted with the Owner's Representative.

22.05,08 <u>Drin Tyyyv & Sitve-alls</u>

Dela crays should be installed, under the main engines, and generators. These should be of a high quality mapasial, but not high patiahed stainters stool – as they are difficult to clean. Head blested stainless, or anodized aburrinum is recommunited for this application. A comparite namerial can also be used. Cleaning of the drip trays will be accomplished using a small area ntiselesहे कि होए कहिए water अनुम्बरक्षाकर

All mappe will be mounted on a save-all may, with at least a 25 from lip. These trays should have drain hotes and plugs. These trays can be of bead blasted stainless, anodized aluminum, ar composita.

12,05,06 <u> Engine Room Piplay Finish</u>

Alf ancieties seed piping in the engine room is to be installed with a bend bleated finish.

Steet, whoy, and became and copper alloy piping will be pointed, with a biglinghose, two-part polymerhaus paint system. All welds on this piping will be ground firsh, litted and faired, before pointing. Physing should promude from Amended Unages, at least 2 threads, but no come than, 3 threads, .

Gaskets should be the same dismeter as the flange they are installed on, set shall but protected gost the girculatie cards of the Baugg.

Piping brackets and supports should be of a high quality material, but not bigh positived stainless, as they are very difficult to polish. Bend blusted stainless, in printed abuninum is erars suitable. Piping will be insulated from brackets so as to minimize vibration to the half or पाण्यसंदेतक अपचारीकारू

12,07 <u>Fasteners</u>

All fasteners for technical equipment and their mometres will be stronters ateni. Partoners διώνει ανίδΑ διακ αντιστά απάλλη του ένας και ένας και ένας και ένας με ένας με ένας είναι με ένας με ένας με polic. Some equipment (such as high-pressure air comptessors) are suspilled with feat montril. sheninung ather factories. These factors must be acadized.

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Von Pereshian & Louise Prévou Noval Archiveus

32.00t Lighting

These must be good lighting in all technical agrees. All lighting installed in the engine toms: should be enclosed in splach proof fixtures. Lighting in the bilges abould be in waterproof. fixtures. Extra lightly, should be provided at workbenches, and over the main switchboard.

This fighting will be fluorescent lighting above the deck, and incardescent lighting for the hitees. It is important to avoid a minture of many different styles/sized of bulbs, as storage of apare brills is conclined difficult.

12.99 Manholes & Harches

Within the empire room and technical spaces, the access hatches to all tanks will be fastered with hinds) policinal maintan much botts, in with a single both dag. That state for foice botts should protectle through the holt by at least 2 throads, but no more than 3 threads. The marrieds covers will be provided with handler, for easy removal, and they will be labeled, in regards to which tank they service.

12.10 Labels

All equipment should be identified with a label that is recurrely firstened to the excepances, or once the equipment. All junction howes, suivebboards and circuit breakers will also be labeled. Those labels can be eigraved, polished sminless steel, or engraved therano-plastic. The specifications already detail that all piging is to be labeled and color-coded. SOLAS regulations for label and color-coding will be followed.

12.11 Paint

The engine two and technical spaces should be finished with a high quality, high gives, twopart only mellione paint system. This includes the bilges and bilge frames. For east of matogenous line peeting repair the paint color should be white or as determined by the owner's representative.

There shall be no shorp edges on the blige framing, and all wells should be ground think.

All the mechanical equipment will be painted with the same, high gluss think. Hoses and electrical witing will not be pointed.

Foothways and shelving should also be painted with the same high gloss finish.

12.13 Thermal & Syund Insulation

The engine room will be isolated from the necommondation with thermal and scaped insulation. In addition to the Silent Line specification:

Some english room piping respires thermal insulation, for Minist operation. This piping រំពង់នៃមិន:

- HVAC chilled water
- Domestic fresh water (het and cuid)

The specified insulation for both these systems is 20 or 22 mm Armstier pipe losselation. All seems in this insulation should be glood, and then these seems should be covered with a glood strip of Armadex jumplation. No self-adhesive tapes are to be used.

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All bends of greater than 25 degrees are to be mitered and glacel. All insulated piging that is lucated in the higges should be painted with Armalian, Armatianish Hi^o. Note that other paint systems will decrease the insulation.

- All HVAC chillest water piping with be insulated, to avoid excessive condensation.
- All districtly thesh, but water piping will be intuited, to settle exception thousal loss.
- Most water and HVAC childed water pigning should be insufated for the entire piping runs.
- The domestic fresh, cold-water piping is to be insulated in the engine room comparences.
 only.

12.12.14 Plaing Architecture

The piping rans through out the vessel must be designed and installed in a carefully organized manner. Plying runs in hilges and slong buildness should be stacked vertically, and never horizontally. The design of the piping runs is to be finalized and approved by the Owner's Representative before the installation begins.

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13 EXTERIOR CONCEPTS

The exterior concept of the yacht is to be a low profile test with long curving profiles to complement the taked rig. The superstructure is unique, providing dimension style to the exterior, 180° whether will provide actual light to the salon.

this portlights will be flush mounted. The point surfaces are to be a high gloss finish, highlighted with highly polished stainless steel railings and duck fittings.

13.91 Decking System

The feak decks are to be 12 mm and suitable for a yount of this enagainale. The printery intent is to minimize weight of the decking system, but also not to sacrifice the visible appearance and durability of the system. A plunking styling plan will be supplied by the design team, The Builder or run-contractor may propose atternatives styles (patterns) for consideration. The following conditions will apply to the decking system;

- The planking will be a minimum of 63.5 mm.(2.4") with and will be of a natural finish,
 with black applicing.
- Built excl joints are to be staggered and consistent between part and aides.
- Margia boards are to be 75 mm (3") wide.
- Watch and hardware boarders out to be 75 mm wide.
- Docking will be mished into the margin hearth where recovery
- The transition confer kick spaces is to be a radiused to a higher level than the planking.

The teak decking will pot come up to the walls or edges but garter drainage will be provided: locations and details to be determined on a drawing from the urchitects.

13.81.61 Decking System Accus

The feeks hope 455 following wooden areas:

٠.	Flyhridge deck:	92 m²
•	Forward terrace;	26 lb ²
•	Aft stage;	30 m²
•	Mais dock:	372ត ស្វាវិ
	Tetal area:	274 m ²

13.03 Flybridge

Softing belong and operation of the vessel's sailing systems are invated on the Bybridge. For any studies will be equipped to consider and consider the vessel under sail and power. The helps will also be the main maneovering stations.

The helm consoles will be a low profile with vertical fact for trounting of control screens and empirion. The flut section will have saiding and maneuvering controls. There will be a contermonated gyro repeater. A detailed plan will be provided by Architects.

The unjuredeck will also be used for entertaining and retaxation. Access from the main deck will be up a part side stateway. It will be enclosed by a cleared betweek, which tapers off to a low profile.

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Veu Peterberg & Lauriet Prévest Naval Architects

13.03 Fayroard Dack

The forward deck provides a private exterior lawage area for the curact and VIP cabins. Between the halfs, extending to the forward beam, is a web decking providing sail flaudling area. Just forward of the nacelle, the mooning equipment is dovered with a deak that forms a terrace for the owner's saids.

13,84 Side Decks

The deck is arranged with this exiductanthes and dock tockers for their fills, as described in " 195_deck_batches_and_lockers" drawing

33.05 Aft Main Deck

The aft major dock is arranged for relaxation and constraining. Forward, there will be wide saion doors openings to the aft dock. There will be a large fixed our bed with lookers under with the possibility to partly tenerious it into an off facing stating. There will be a salettion of looks dining tables and chairs that can be mitigat to said the constraining mode. The tables will be history to foretion for contrains or display. A good person of the forward off dock area will cuclose with eigenglass and be nit conditioned when desired.

There will be side dock croming belows with vortous storage and technical equipment meas.

The main dock everhead will be unde from lightweight panels and arranged with direct, indirect lighting and accustical systems to be determined.

Large flesh deck futches are positioned for sockes to the tender looker, and other storage uses

13.06 Railings, Sympolitane & Wige

Railings and stanchings are described in "Gem_VOI_manchions & railing". Architects drawing.

Ton raditor wire to be a manimum of 1000 run above dock level. Oesign detail to be defined.

- All pailing is to be 36 man polished 3162 stoletest steel and styling according to the drawings.
- Pulpits will have a teak-grating seat on the mid railing. Design detail to be deflued.
- The main deck starshings will be 32 mm diameter polithed staintest steel lifetime starchious with half on top, rectanded on the side deck, at man intervals of 2200 mm in brothand spiget bases. All bases are to be fitted with drains as appropriate to provest the collection of water.
- There are to the past and studented fileting gates with (4) stauchings and bruges each side.

13.07 Ajr Inigts and Outlets

Special attention should be paid to the integration of all air in and out of the vessel. The final designs are to be approved by Aughingth.

13,08 Hatches

Deck hatches will be flush toomers, and are listed in "Gem_705_ deck hatches and lockers". Architects debuting.

िशिक्षीकी Project Country Specifications

Van Peteghani & Laujioi Prévost Wijval Architecis

33<u>.09</u> Awadaes and Dodgers

Awaings and dadgets with cover the Rybridge, as described in "Gem_T12 flybridge_himinf" Architects plan.

13.10. Upper Deck Stairwag

The stairway to the apper abok will be fitted with indirect congress (ights and happiter railings. Etals weads will be conseed with the deck system timber and styled consistent with the decking systems. Indirect lighting will be let into the underside of the stair finate.

y_{JI} Exterior Farniture

The exterior familiars will be supplied by the interior subcommotor, inventory is to be determinest.

Joeyzpi 23.13

A "Bradford Spa" or equivalent spa will be fitted on the upper deck. The and will be built to like dissensions as provided to the plans and arranged with:

- Water hearors
- Pregiments; Till expressions.
- Circulation filters and massage jet systems
- Gutter water extell.
- Side sessing
- internal reading
- Underwater lights
- Drain to the bull each as required by the Rules

14 NOISE & VIBRATION CONTROL: STRUCTURAL FIRE PROTECTION

The complete package on opise and viluation control has been designed and provided by Silenti, iso BV. This package contains the following iterus:

- Complete set of preliminary detail lutificities (dataflation drawings.
- Preimanary weight calculation.

The Builder may select SilentLine BV, or another noise and pibration consultant in work with, but with, the understanting that the union and vibration largets are to be achieved. SilentLine BV states they will guarantee the sound and vibration targets if under contract to the Builder.

14.03 Noise Targets

The following asise targets are to be achieved.

24.63.91 Notes Turgets at Anglesy Conditions

Measuring conditions:

- Measuring position in the scatter of the cabin or room at 1.60 meter above floor level.
- All doors to be estimat.
- Cabin or room completely froished.
- Air couditioning at isomasi speed (fan speed 2).
- Normal secondary montimery operational.
- House hold equipment and taken into account.
- Stand sources what they be generated set, seemal secondary mechanics and six conditioning is out taken into account.
- Smandate t
- Wind speed (Beaution 3)

At anti-m condition, noise targets to be achieved [dB(A)].

	Salon :	38 ~ ¢0
•	'IV mon):	40:-42
	Owner & VIP Smith:	36 – 3 8
	Grand cabine, your built:	38~40
	Crew cabies, siled built	42 - 45
٠	Gulley:	45 - 48 (extraction for not during)
٠	Crow mess:	45 ~ 46

14.01.02 Notes Turgets at Cruising Condition (80% MCR of the main engines)

Measuring curdificus:

- Measuring position in the center of the cabin or your at 1.60 motor above floor level.
- All degree to be closed.
- Cable or more completely finished (carpet, beds etc.):
- Air conditioning at normal appeal (fan speed 2).
- Normal steendary machinery operational.
- House field equipment not taken into account.
- Sound sources other than the toxin engines, generators, propulsion propeliers, generator set, earned secondary machinery and air conditioning is any taken into account.
- Белише і

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Van Peteghern & Lagriot Prévost Navel Architecto

- Wind speed (Beaufort 3)
- Radder angle maximum 2 degrees.

Croising coulition, raise surgets to be adviewed [dB(A)].

٠	Eglon;	54 – 5 0
•	3 √ τοιμα :	56 - 38
٠	Owner & VEP Suite:	48 – 30
٠	(Auest colous, port Jailf aft)	3B – 3¥
٠	Goest sables, port leiß fied:	54 ~ 56
•	Crew colons, stoll hull;	38 × 60
•	Calley:	38 ~ 6 0
	CreW theas:	56 - 58

Acquailt Privacy

The requirements is for excellent econstic separation between the various partitioned ereas. Vering reduction from one space to its adjaining space to an mark the indication respiratements of the "Sound Transmission Class" (STC) as given below. Achievement of the required isolation dictates special constructions (insulated walls, gaskened doors and allenoed year passages). All priestly partitions, must be estated to the dock lead and peterspices paversing grivery intiblicade musi be sexted.

Bebegga compactments:		\$TC:
	Crow : cabin to cabin	35
٠	Crew: cabin to corridor	35
•	Owner - VIP : cabin to cabin	40
•	Charlet - VTP : cabine to contidos	35

The above membered STC-targets are to be studied by means of the SEA model. The composition of the separation walk(a) are added to model as well as the cabin dimensions, finishing and resentantian time. This means that eventual modifications can be added in an टाप्टीपु संबद्धहेला अधिहरू.

14.02 PRELIMITARY Josulation Plans

The fullowing (appoind) preliminary insulation drawleds have beta designed by Silem Line BV. Any abrestions to the schedule or asbetitution of materials are to be approved by Silem. noiraiques, suit gaivenilai beagizsă ad iliw arda noitelezai kiali A "romitat an hor. VII oni I of the Statistic Energy Analysis (SPA) study.

<u>\$4.93.93</u> Latureus and Tender Consumments

The largerates will be insulated from theread point of view. See detail insulation drawing "G-Ld. f_vI_conder compariment" soil "G-Ld-8_vI_diving comportment"

The touder compariment will not be iconlated.

<u> 74,92,02</u> Engine Rooms

These areas are ingulated from noise, thermal and fire point of view (A-66). See dessit insulation drawing "G-Ld-4 vl_angine room" and "G-Ld-12_vl_engine room".

14.02.03 Crew Ondertors

These areas are insulated from noise point of view. See detail insulation drawing "G-Ld-6_vl_crew mass room"

14.02.04 Laurdry

These press are insulated from notice and thermal point of view. See detail insulation drawing, "G-L4-7 v1_laundry and crew forward"

14.82.65 Galley

These areas are insulated from series, thereast and five point of view, See detail insulation drawing "G-Md-1, of galley"

14.02.06 Owner & VIP Staterooms

These areas are insulated from noise and thermal point of view. See detail insulation braving "G-Md-d_rl_VIP bulcoom" and "G-Md-5_vl_conner bedroom"

14.03.07 Sulon & TY Room

These areas use (mulated from noise and thereas) point of view. See detail insulation (traving "G-516-3]:1_saloon" and "G-516-2 v1_tower saloon"

14.83 Vibration Torgetz:

The maximum vibration level, measured at the object remains, may not exceed the ISO level of 4 may see [RMS] with the yacht cruising at 80% MCR output.

The maximum vibration level, measured in the accommodation areas (tables etc., set incloded), any me exceed a level of 1.0 angle [RMS] with the yacht emissing at 50% MCR output. At eacher condition, the maximum vibration level may not exceed 0.5 market [RMS].

Smeatural analysis use to be performed by Silent Line BV, or the Bullder's selected consultant, using Finite Element Analysis software (Nazuran under Windows, or equal) to avoid resonance and to ensure the above mentioned allowable elimation level of 4 mm/s. This study is combined with mobility calculations on the engine and getabox foundation, framing nodesceasts the generator sets and the interaction between the propulsion propeller(s) and the hall plosing above the propeller(s).

Cabin surrounding (flouting floor, liners, separation walls and ceiling) must be installed as a box-in-box construction meaning that a direct contact between the appriance and the cabin surrounding is avoided. This is to insure the maximum allowable vibration level of 0.5 mm/s [RMS].

Whiting and axial vibration extendations are also foreseen using the above mentioned Finite Bioments Analysis software.

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Von Poinghem & Lauriot Prévost Naval Architects

14.0€ Mouriely

The restricts and earther units on as listed in the searched spreadshow and the installation is to be in accordance with the drawings as listed its part 14,02.

The material lists exclude the helpion leans at listed below:

- Hott liners.
- Bulkhead Liders,
- Septiation wells,
- Cedien

14.05 Supervision During the Build Stage:

Supervision for a qualified purron is required for the installation in order to usage shat the noise taggets will be achieved. If under contract to the Builder, Silenti, inc BV will provide the following stryices:

 Visits to the years, thering the entire building stage, are included to our package. The following main visits are:

Theritage the braiding sugget

- Measurements on the ship structure are foreseen in order to check the natival treomegajas of togal articumes tike bulkheads, duch sametures esc. This to works sure. that the vibration targets as stated in topic 14.03 are not expected.
- During the denounce of the Budation system :
- Visits are foregons in order to make sure that all materials are installed in accordance with our detail insulation drawings. This to make sure that the anise targets as stated in topic [4.01.0] = 14.01.02 are not exceeded,
- During the dependence of the inserior;
 - Visits are foresteps in order to make sure that all materials are installed in accordance with our detail irradation deswings. This to make sure that the STC targets at stated in gaya'e 14.81.63 are not careented.

24.06 Allachments

The following documents are attached and are considered past of this openification:

- Preliminary_Lower dock_weigld_SL_version#3 wears
- Profinationry Main duck, proight extendations, v3

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15 DECK EOUGEMENT

The deck equipment is to be according to deck layout proposal by the Architect. All deck fittings are to be installed with adequate stiffeness and backing plates to support the leads and be warningly.

All deals equippeent is to be of a similar minusfactures with a consistant type of finish, i.e.; pulished stateless steel. Fasteners should be resistant to consisten and to be Allen laced or equare drive.

ISA WINCHES

154.01 Anghar Winches

See part 97A and drawing: Gen T07_anchoring_arrangement

15A,02 Mouring Winches

like drawing;

Gem_T03_mouring_arrangement

There will be four (4) mourtag winches mounted bow and state, post and stad, of aritable size for brandling the mouring thats. These will be located in contested lockers along with the cleats. The locates will have sed lights for illumination.

MOONING

	CHES	Profition	Nom Rating	Presor	Weight
ι	Must AC8000	Pon all	3636 k g	Hydraulic 2Rlgmin@175 bur	121 kg
1	Muir VC8900	Sibilialit	1.050 e B	Trobiton States ont	
5	Lewing 88HST*	Post Eyel		Hydraulic	54 ks
1 * Te	Lewroat 88HSFF* bo asso most for spi	Port fyd anaker sail h	4345 kg ប្រាប់ពីខេត្ត	105 hue	29.48

154.93 Spiling Equipment

The winches will be hydraulic. Mast and deck mounted winches will have stainless stock bases and self-tailing cups. See drawing Gem_V03_deckplan for details.

Majofactorer: Lewiser

Number	Position	Location	Model	Power	Weight
7	Solaut Shert	la cosch mof	LMS 125	ដីអូថិកាមប៉ិច	385 kg cacb
2	Staysnit Sheet	in worth roof	LMS 125	Hydatalic	387 kg ∉øcl⊧
Ţ	Možuzail Sliect	RED	LMS H	Hydraulic	195 kg
1	hadospič Halyard	Prodesous deck	1348 (25	Hydraubic	3 5 7 kg
2	Pontvails Sheeta	Upper duck	122 AMSTOR	Hydraulic	202 kg each
2	Mast	Ou must	122 Anstor	Hydroulic	202 kg each

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Note that the foresail and mainsail halyards will not be loaded while sailing. The halyard winches will hoist the sail and the handboard car will be locked in place. Last tension will be set from dock level via a hydraulic Canningbane.

15A.03.01 Repn Centrels

No.	Putpose	Туро	Location)
1	Maiusail topping lift	A250-040JXX	Internal booms
t	luedtus fisznight	A250-0900XX	Internal botton at guoseneck
l	Mahasail travelor	A254-1103XXX	Upper aft deak counting
1	Boomperent	A250-030/XX	luternal boom

154,03.02 Which Custrels

Captive reel winch control positions are at each extension belon station and locally at the winches.

All mast and unvering windless are to be foot switch controlled, boosted at rach winch station. Winch controls for the flybridge duck will be recessed into the controls.

Each flybridge below will have an emergency stop button for the hydraulic which power pack.

15A.03.03 Winch Pawer

Power is to be provided by a custom by deadle power pack system as described in the part 0714.03 of this specification.

15B BLOCKS & BARDWARE

134:01 Mack List

Alt blocks and solding hostwore are listed in the attached speeadsbeet.

Gentint_hardwore_fixting_Pix.

15C HATCHES, WINDOWS AND PORT ROLES

The windows, built ports and cabin boose ports are to be in accordance with Class and MCA requirements.

35C-97.01 Stewatural Glass

Structural glass is Beted in part 02

Mala salou wisulows

N6	Average Helght	Arco	Thickness	Radius of curv	nture
<u> </u>	L			Mattern	Top
	क्राध	ra'	ann.	ום	rp.
2	850	4.8 cods	Tod	29,2	29.6
2	11(3)	2.9 each	Tbd	2.47	2,38
2	1200	3.8 ench	Thd	23.6	24.6

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Forward reindoors

Nb	Ueight	Width	Tolal Area	Thickness
:	57303	समृत)12 ³	70513
3 .)16O	1900	13	Tbd

Aft swien

The aft sales buildhead will be all glass with a combination of fixed and skiding panels.

[Nij	Height	Width	Total Area	Thicknes	Γ
L		пат	அவ்	in _f	mm	ſ
L		2200	8350 full	15.4 total	Tod	

15C.01.03 Portlights & Partholes

Portlights and porthole locations are as per drawing: Gem_T06_hull_portlights

13C-01 Window Shading

All main sulos, upper deck solon and owner's suite windows and door glass shades will be specified by the location designer.

15C.03 Window Wipeys

All forward pilothouse will be provided with electric window wipers and wath system in only of the interior helm station.

Magnifacturer;

Etenworth

Type:

30NM; passograph oween

Nomber.

6

Power.

120/60

Waight:

8 kg each

25C 84 Deck Blatches

All dock and looker batches are listed up drawing: Gom_TVS_Deck Matches & Lockers.

- All composite hatches are to be flush with concealed hingss.
- All lens hostines are to have springless steel frames
- Magufachtzer:

- Freenous Minimo or equal

15D COVERS, BIMDNIS, DODGERS & CURTAINS

150.01 Main Beck Curtains

The all resist deck is to be enclosed with Hiszoglass cartains and will be on air conditioned space (part, saled and aft cardosure). The side cartains should extend from the aft roof buildhold 5.2 m.

The curtains almost be furling into the overhead.

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The elient is also considering a rell down Venetians blinds type protection at the furthest all end of the flybridge to provide shade to make deck eachpir. The design will be provided by the Architects.

13D.02 Plybridge Nippini

See Activing: Gem_T12_flybridge_blmlat

A hand top biseled will protect two thirds of the flybridge dock area. It will be built in composite with alterates support pillers as per the Architers thankings.

The Bolider will propose a removable eachourse system for the top.

25D.63 Flybridge Hodgers

The primary function will be so prosest the behin startons from wind and sain.
The dodgers will fold up into the bimint. It will be built according to the Architects design.

15D.04 Sait Covers

The load sails and natineall will be provided with sup covers.

Color and anaumials to be the Owner's clarice,

15D.05 Protective Dack Runners & Covers

Dock commerce are to be previously to protect the decking. There will be a fustening or securing system provided that is to be discusse. Runnairs will be provided for:

- Upper degk
- Main aft dock waffin areas (defined as direct paths firm Indders and passageways)
- Mela salas & TV tous.
- Forward nthwattabips possegoway and stair

Color and materials to be substant.

15E DECK KARDWARE

15E.01 Stanchions

ISE.01.01 Materials

The Builder will worke for 2 standalog resterials:

:1 noitqO •

Polished 316L Stangless steel

Option 2:

Titamium

15E.01.02 Main Deck

See drawing: Gett VV4_stanchious & rallings.

The main deck stoochions will be 32 non dismeter with ball on top, mounted on the side deck, at more interpals of 2260 mas.

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There are to be part and stateourd lifeline gates with (4) stanchious and braces each side. Top come to be a minimum of 1000 mm above deck level.

ISE,01.03 Upper Deck

See drawing: Gent VO4 stanchions & railings.

The upper deck will be surrounded by a molded bulewark with milings to a total height of 1000 com. Railing section with he of suitable size and section for resthetics. Details to be approved by the Owner.

All stairway railings are to be 38 mm diameter to a total height of 1000 mm.

All shundrious will be mounted in or on insulated spigot bases to protect the paint finish state provent contact between the dissinable metals. All bases are to be fitted with drains as appropriate to prevent the cultestims of water.

35E 02 Pulpits

Bow pulpits, 2, are to be made out of 38 mm tabling on per the drawing. Pulpits will have a tent seat on said saiding.

13E.03 Aft Rallings

AR railings are to be made out of 18 was using, suitable oval acction or test, cap rail. Suitings are to include beackets for MOM and Horseshop Larry.

Aft railings will be fifted with transom openings as shown in the firmings.

15P.04 Rading wire:

The vexed is to be americally with milings to accordance with the Rules. A ministram of 3 sources of criticigs are required.

- Upper wite is to be -H) standard rod
- Lower contact is to be -6 stendard soft.
- Relifing pussages will be unexaled wise and have policies hooks up other suitable opening fixtures
- Rods and wires are to frave end fittings and tension adjustment

25% 05 Dock Flyings & Mooring Hardware

Deck fittings and majoring hardware are shown on departugat

Gem_V03_Deck Plan and Gem_T03_moorleg_arrungement

156,86 Nesting

Noting consisting of the webbing will be filted between each leaft and langeron and between the forward beam and the Jorgeron.

A solishle perimeter fastening system will be provided for the full perimeter of the nothing.

15E-07 Other Fittings

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Other fittings will be provided as follows:

- Stainless stee) how or eyes in front of the most for hooking free helyards.
- One (1) SS base sucket on the upper deck of trailing with one carbon fiber thepole.
- SS drain fittings in the flybridge deck, main deck and forward well deck or necessary.
- Eye fitting at each forward beam half foundation for attachment of the anchor bridge.

Note that there will be other miscellaneous fitting required.

15Y BOARDING LADDERS

15P.01 Pusterelles

See anangements on drawings:

Gem_T04_nfl passerelle and Gem_T11_side perseculte

The yacht will be provided with two carbon fiber (2) hydraulic passerelies that retract into the transport and stayboard side. The passerolles will be provided by C-Quip. The passerolles will be fitted with:

- Call button
- Courtesy Lighto
- Removable Railings
- Trak walkway.

13F.01.01 Sthd Skie Penserelle

The subdipasterable will be retracting into the side and siew to 80° (we and aft. The purserable should entireliate to -40° for use pear the waterline or at facilities, which are higher. It should therefore be equipped with pivoting steps.

[SV,03.02 Port Aft Passerable

The pass passetelle will be retructing into the transom. The passetelle should extend a robbinom of 3 m and articulate to 9/- 15-25° for use near the waterline or at facilities, which see higher:

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16 DYVENTORY

16.83 <u>Builder Supplied</u>

The following additional inventory will be provided by the Builder and installed or placed on board with appropriate storage amorganeous:

- SCUBA Compressor as listed in part 07F.03
- Safety equipment as listed in part 17.
- Mattresses by Handeraft Mattress Co., or equal; as sized in the interior concepts.
- Two (2) outleast moun storage racks in stad fearests.
- Two (2) busine's chair with tool packets provided
- One (1) swimming ladders, made of smicless steel with took steps for all platform Which locks into place, to ensure no movement
- Two (2) telescopic boat border mode of aluminum.
- Two (2) anchor code bridals at the bows with chain claw for the machor classe. Ten (10) appropriate sized infinishly feathers
- Ten (10) mooning lines sized to the satisfaction of the Administration. Suitable eye uplices
 will be at one end for the mooning arrangements. House will be fraished to prevent fraying.
- Spare pairs inventory for scale engines, generators, water makers, feel & planties systems, waste frequent systems, hydrautic systems and other spare parts to be recommended by the equipment sopuliers.

16.02 Grover Supplied

The following items will be supplied by the owner and installed by the fluides: The Builder shall be responsible for unleading, ununting, tocciving, storing in a suitable manner and installation on the vessel at the proper times these items and any other articles consigned to the Builder for the Owner's account for use in the vessel.

That which is some to the Builder will be finialled by the Builder with all recessory foundations, connections and related equipment. Stitzble lockers, drawers or checks aball, he provided as required. No additional charge shall be reade for this service.

Only the items specifically listest below will supplied by the Owner and anything else required for a complete versel of the type described shall be provided by the Builder.

- Electronics as fisted in part 11.
- Loose deck furniture listed in part 13 lixterior Concepts
- Saige as listed in part 22.
- Dive equipment as listed in our 23
- Tenders as listed in part 24
- Exercise equipment.
- Type III, IV and V personal floatation devices for small craft
- Spfety harnesses
- Officer water toys TBD
- Tools for deck and engine rooms
- Cleaning equipment
- Required Regulatory publications, paper charts, gaides, etc.
- Desired audio, video and printed media
- Medical kits end inventory
- China, table sattings, But ware, cruckery
- Piljows, bedding, lineas, sawels, etc.
- Crew uniforms

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17 SAPETY BOUTOMENT

17.01 General

The life saving equipment inventory is to comply with MCA requirements with the following unitations equipment provided:

17.03 Life Rafts

Life rafts will be installed in accordance with drawing: Gern_C01 & C02_Safety_plan. Disterminus and weights are of the container pack.

Manufacturer:

Viking

Morfel;

10 DK

Number.

Род (4)

Each life raft to be fitted with SOLAS "A" pack. A plocard giving instructions for launching and inflating the life cofts must be posted in a comparages place.

Emergency lighting of the life raft stations will be provided as required by the regulations,

17.03. Persongi Floatation Devices (PFDs)

The Owner will supply personal floatation devices.

Storage of PFDs is to be in accordance with MCA regardations.

17.0d Safety Harnesses

Safety harnesses will be Owner supplied items.

17.05 Ring Life Buoys

There (3) life buoys, or mumber as required by MCA regulations, are to be provided and regulated in accordance with MCA regulations.

17,06 Ffayer

Dispess signals will be provided in accordance with MCA regulations.

17.87 Man Overboard Systems

There will be a man exception of system(a). The overboard produles, in a combiner remont location to be determined.

មែនមេរៀតជាប់ខេត្ត

TED

Type:

TEO

Number,

TRO

17.08 Medical Kit

The predical air will be Owner supplied,

19 PAINTING WORK

The exterior and interior paint systems are to be an International Paint system finus liker and primer systems to the linest coars. If the Builder or paint contractor prefers an alternative system, this is to be approved by the Owner's Representative.

Paint colors are to be selected by the Owner, Presently, the topsising will be a dark many blue and super namifolds: (8 a) white. Boot top and other accests are not yet determined.

In consideration of developing point exchangey, the Builder, and the Builder's point subcontractor, if applicable, will control with the point system supplier for the best type of system to apply. The Owner's Representative may provide an independent point consultant to review, impost and recommend on the point system and process.

Any exterior links), costs are not to be nechanically polished.

The quality of the exterior paint system is to be a Super Yacht Philah, as noted in the below table. The Builder will provide the Owner's Representative with a sample of high gloss vertical and horizontal surfaces, plus a gamposed standard to be within the tables.

Huit Area	Gloss range Sex octes	Dusi Parfictes per re decimeter	Surface texture	Vairness	Sags & Roses
Exterior logaldes Outhward and injoord surfaces and suppressionalization	67-9044 <u>67</u> -603	8 ஞ 0 .3 resn	<15 or Reservince panel	Jedged droveghout coestruction process	Not silewed except with approval of owner's accept with
Досканован торы	82-30A* B (48,)2@03 rom	15-28		Sume
रियास्थ्यी विकास	80-83% @ 60°	119 @ 03 mm	β-12	1	Same
figgerioe Nicthed	Gloss meter	Magaitied victal	Viguni conquestran	Viscol	Visual

Gluss Range Notes:

- Object constructions are to be taken over 5% of the total surface great, divided into the
 m² appriors.
- Each 1 m² sout(in) will be measured at 5 spots and the average calculated.
- Hach spot will igave the average of 3 readings taken within 5 cm.
- The surface areas will be divided over types of surface: horizontal, vertical, aloped, exposed, non-exposed and dock areas (ie; upper deck, main dock, etc.)
- 5. Note of the 5 aper averages shall be below 95% of the specified glass value. One of each of the readings for a spec average may be below 95% of the specified glass value, but not below 86% of the specified value.
- For each 1 m³ area, the spot averages shall not be below the specified gloss value.

19.01 Painting Work Hall Inside

All surfaces are to be disc ground to sensove all sharp odges and washed to remove contaminants.

28 April 2005 Page 113 of 123

All would is to be fully scaled or suitably meated on all sides to prevent ingress of moisture and rot.

All woodwork that has so be yamished wift be remished with two component ranges. Finish cost to be as directed per the designers drawings.

All interior cabin area paint work is specified in part 12 Interior Concepts.

19 off Inside: Not pointed behind insulation.

All bilges and other areas are painted.

Bayine room: Nec painted behind insulation.

All bilges are painted.

Somp Tanks: Ceramkote
Weigr Tanks: Ceramkote
Fuel and oil tanks: Not ⊐potest.

19.01.01 Hull Interior Colors

Laukess above deck plates: Bilgus bolow deck plates: Off white, or Owner's choice Light gray, or Owner's choice

19.02 Hall Experier

The following surface orens are preliminary:

Hull below water line: 5,382 sq ft.
 Hull and superstructure above waterline: 1,265 sq meters 13,616 sq ft.
 Wet deck tunnel: 266 sq meters 2,863 sq ft.

19,02.01 Hall, below waterline, Surface Proporation - Aluminum Substrate

- Prior to sandblasting, it is imperative to clean all surfaces with Interfect 202
 Fiberglass Solvent Wash for the removal of wax, allicons and other surface contaminants. Using cleanest dry rogs, anturate with Interfex 202 Piberglass Solvent Wash and sends the surface thoroughly. Before the solvent drives, wipe up completely with separate clean, dry 12gs. Work in small, easily reachable steas at a time. Repeat this procedure if accessary to ensure all statistic contominants are properly resulted.
- An efficient way to tell when all contaminants residue has been removed in by agraying the sector hall with water. If the water brads up, consummon are still present. Repeat step 1 procedure and mail this water "almosts" completely over the maface.
- 3 Sandhiest all aluminum surfaces to clean bright, near white metal fluids with modium metal Silica Sand. Blow down the entire substrate with a clean on time using a cleaning to remove all blasting residue. Within (1) one hour of sundblasting, immediately apply the first cost of Kine step two below).
- 4 If sendblusting is not possible, disk gried the entire underwater bull surfaces with 24 grid grieding discs. 'Thoroughly wish all standard surfaces once again with linerius 202 Fiberglass Solvent Wash using the "two tog wipe down method" and changing tags frequently.

GEMINT Project Contract Specifications

Von Peteghem & Lauriot Prévost Navat Architects

32.02.02 Application procedure

The application procedures will be determined by the paint system supplier in cooperation with the (honor's Representative and his considering.

19.02.03 Underwater Hull Fairing

If extensive underwater half fairing is socressity, it will be a hight weight system, applied with a proper tie cost in agreement with the Architect.

19.03 Hull Outside, above waterline

19.03.01 Surface Preparation - Attentiona Substrate

The application procedures will be determined by the paint system supplies in cooperation with the Owner's Representative and his consultants.

19.03.02 Toperate

The application procedures will be determined by the paint system supplier in enoperation with the Owner's Representative and his consultants.

19,04 Varnisti Wurk on Dech

Varpith work on deck to be full grain, hi gloss flutsh.

28 April 2005

ZU SPARS

Please refer to the Architects drawings for assurant dimensions of the spars, said plan end rig. loads – drawings:

- Gen_Sail Plan
- Geon Rig Loads
- Gem_Deck Plan, Fittings & Hardwarn Plan

30.81 Petnolpal Abnensions

The preliminary sections are as follows:

•	Overall length:	3308
•	Section depth;	5 E G D
٠	Section with:	700

The following pre-estimated from the sail plan:

٠	P	472.75
•	臣	£5485
٠	i	45050
•	1	t2635
•	ĭ,	7.6e 14 N.nun
٠	Ĭ,	6.2e 14 N.mm ²

2#.02 General Concept

The sper and beam will be constructed of carbon filter. The mast will be without appearings, have a supered top section and have a half & souther beel fittings with pivot stops. Note that the rig will be jacked from the deck and appropriate structure is required.

The hoom will have an internal hydraulic topping lift and outbank systems with separate chambers for hydraulic, electric and rigging systems. The hooms will be a 'park oversee' style to contain the sail when receid or fields.

All hardware is to be installed with suitable insulating or barrier materials to prevent confision between the components.

The mest is to be arranged with steps and a platform at the height of the goonstruck.

The finish of the mast and boom are to be to the owners' clipics of colors.

Shows and Halyards are listed in the part 22 Remains Rigging.

20A MAST COMPONENTS

204.01 Maxthead

Cartina fiber topered top section and matthead with: (to be confirmed with reast builder)

- One sheave for assis halyard (backside).
- Two sheaves (port and starboard) for bos's chair lines (nort and starboard)
- Three aft big for topping lift, onlin halvard perchase for point, and spare
- 2 absave blocks for burges halyand

- 2 eyes for safety lines
- 4 relatedable steps for mosthead access.
- Ground attachment for lightning sock

20/4,62 Most Figures & Hardwore

The most will be acronged with: (to be confirmed with spast builder)

- Gennaker lug tang with thrave and absare box for gennaker halyard.
- Spinnaker log tang with sheave and sheave box for spinnaker halyard.
- Headstay log busy with sheave and sheave box for solent belyant.
- Inner forestay lng tong with sheave and sheave box for sneysail
- Storm sail ing tang with sheave and sheave box for stormasil
- Two mile (port and stadowed) with one traveler on each for gent line.
- Two hydravile (or mateual) hearissil balyard tensioners (solent and susygail).
- Storouglatiacherumits.
- Port and ethal sheave boxes for lazy jacks.
- Cowfing for pure and sibd foredeck lights
- Cowling for deck lights for owner's terrace and ground jackle.
- Internal Vent pipe(s) for gray and black water systems.
- Pârcipical conduit and connection box for wiring and electronics
- 2 mount bruckets for radar arrays
- Required SS hydraulic futings for boom hydraulics.
- Sail track with headboard, headboard look system and batter our system. Note: headboard to look at full lift and conf point stations to remove load from halyard.
- Crowned conductor for lightning protection flat copper strap.
- Lightning rod
- Busto gasseneck f

 it
 ing
- Halyard and reof tines exits with 8S chafe protection as per < Gen_deciquar>
- Refer on drawing <Gern_bandware_listing> to pair 15-Dock Equipment, for clutch, journers and closes on most

20A.04 Mast Lighting

Lighting is to be wised and Installed to comply with International Regulations Por Preventing Collisions At Sea, 1972, as an encoded. Lights mounted on the mast column to have suitable mounting heackets and protective guards. Light particulars are listed to part 10(1),04 of this specification. The following provisions will be made for the electrical options listed below:

- White strabe light 350°
- Red 360° masthese light.
- Green 360° below manthood red light (night suiting)
- Stemming light on mast front
- Port & stbd forward deck lights
- Port & stbd accisus guar area deck lights
- Two under boom deck lights for My bridge
- Controllable spot lights

Provisions to be made;

- Provide protective grands, exposes and brackets
- Pulling of cables in must
- All lights and their wiring.

GENERI Project Contract Specifications

Van Peteghem & Lauriot Prévost Naval Architects

All cubles in constate

20A.05 Butm Components

The boom is to be earbon fiber with impered oud and fitted with:

- Googeneck fitting on a hydraulic cylinder fixed on the seast (to push boom from mast for outhall triming)
- Separate chambers for lines and electric wiring
- Separate chamber for storing space still battens.
- Three (3) inbuard real point systems with internal head for each realing line.
- Captive winds for a 4:1 porchase mainsail sheet.
- Interest beiom preventer hydrunlie cylinder
- Internal topping lift bydraule; ह्याँगडातकार
- Six (6) side lugs for lazyjnek system;
- internal deck lights (2)
- Jenetiser box for sights

20H.01 Longeron

See drawing: Geor_longitudinal & teamporese find beams

The language is to be causa acted of eligion ther.

Length: \$110 mm
 Sextions: 246 to 580 mm
 Weight: TBD

Pidlags:

- Weldeck classipists
- Fotword transperse brain attachment
- Járadstoy anachment
- Staysaif attachment
- Gunnzker attachterent
- · Storen sall attacherount
- Characte for hydraulic fines and electric wising
- Ground strup for headstrys
- Meding attachment
- Mutekid walking surfixes
- Access plates for instrant systems.
- Through beam inter an outlet for apinonker tack live adjustment, generater and stayeart furling loop
- Clistera roller (ref on deck plac)

20C.01 Forward Transverse Boston

Go, langitudinal & transverse find beams

The forward began is to be carbon fiber:

Length: 10200 dea
 Section: 450 x 260 ημη.

78 April 2005 Page 118 of 123

GEMENT Project Contract Specifications

Von Petoghem & Leuriot Prévost Novel Architects

Weight:

t.b.d. kg estimated

Fittlings;

- Hull foundation attachments
- Longeron attachment
- Murtingale foundations
- Mittingale stay attachments
- Cleambers for hydroulic lines and electric wiring (if required)
- Ground steap for headstays:
- Netting attachment
- Ancesa plates for integral systems

28 April 2605 Page 119 of 123

STANDING RICEING ΪZ

CEMBAI Project Contact Specifications

,banimusch ad of ora शाय खातवातीर अरह देखारी वर्षी.

- ancing 2/3 X is ad lift, spigging galaxies of T
- A duth hook will be made for all standings and much spiring.

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Supplied Mailtail 27.5

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Αυγερασγη 10.812

Amilian system for the Subsit will be controlled at both Dybridge helot, attribute

Headslay Foil: केंद्र हरह ាជខ្ពស់ម៉ क्षंत्रभ 😥 WOFF ոկստեչ II жымод tadk<u>i</u> 9-06-48 មជ**ាសា**រ រាមារជាសាល់ ហែ

Filed 07/23/2008

RIKERENAN

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GEMBRI Project Contract Specifications

Van Petegbeen & Lauriot Prévost Noval Architects

Туры	Carlenn
Profile:	88
Length;	47 m
Weight:	123 km

228.02 Storygil

Furting system for the Slaysull will be controlled at both flybridge below stations.

•	Manufactuser:	Вескирал
*	Type:	RF-90-5.5
٠	Provent	Hydraulic
•	How;	45 Masia
٠	Weigle	98 log

Readstay Foil;

•	Manufacturer;	######################################
•	Туре;	Carbon
•	Profile:	S7
4	Length:	3 ¢ m
	Weight:	71 km

12C RIGOING MISCELLANEQUS

The following will be provided:

2 hydroutic halyard tension cylinders for the:

•	l x Yankes	Type:	TBD
•	1 x Stussoit	Typic:	THE

- E hydraulio rod rigging outter
- 3 double satchet hundles for maistral back up fignetions
- I single tatchet broulles for manual back up floresions

GEMINI Project Contract Specifications

Van Peteghem & Lauriot Prévost Navai Architects

Soils will be supplied by the Owner. The yard will support the graduation, delivery and fitting, out of the sails.

The inventury and dimensions are provisional poorling first design.

23.61 Inventory

23.01.02 Main

Primary material: Socundary autorial;

:sacisaconó()

1,0.d. 1,0.d. 47,3 Luff 15,5 foot

522 m Approxima

23.01,92 <u>Sofout</u>

Primary material: Secondary material: Directoions:

Lb.d Lb.A 45.2 Luff _14.7 LP

326 го² Аррток ягса

23.01.03 Staysail

Primmry material: Secondary respectal: Dimensions; 6.b.d. 1.b.d. 34.5 f.aff 4.0 f.p

172 от Арргох атся

23.02.03 Storm No.

Princery material: Secondary material: Dimensions: th.d. s.b.d. 22.4 Laff S.6 LP

65 m² Approx a/≈4

23.01.04 Garagher

Ditamingings:

\$90 in appear.

23.01,45 Assumented spinuoter

រាជិកសាធាតែនេះ

1000 m, abinox*

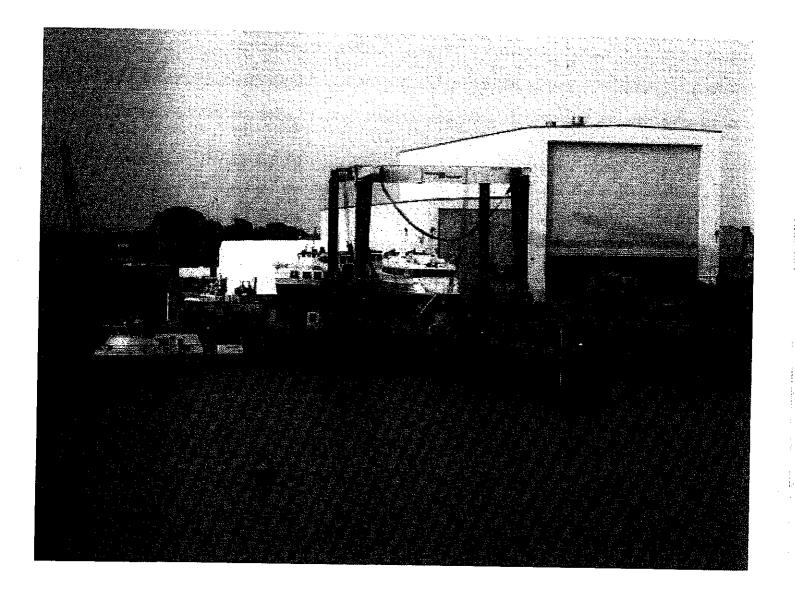
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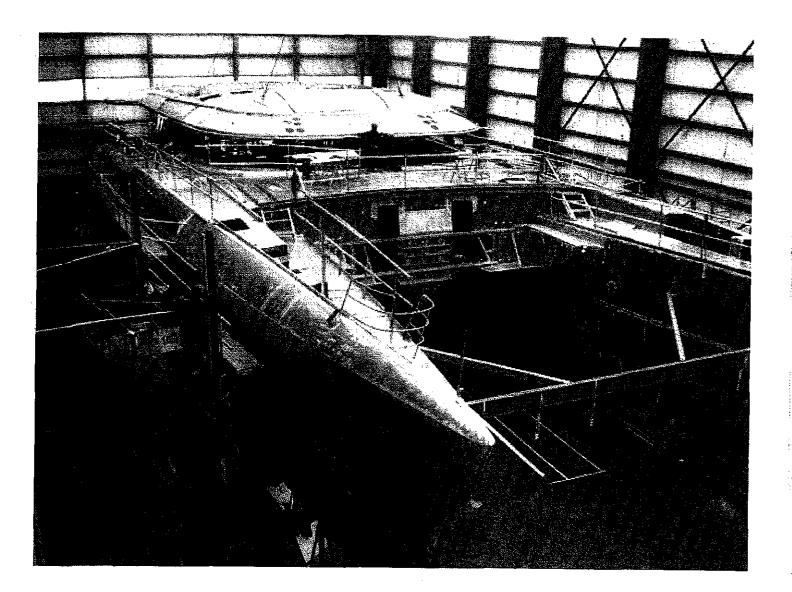
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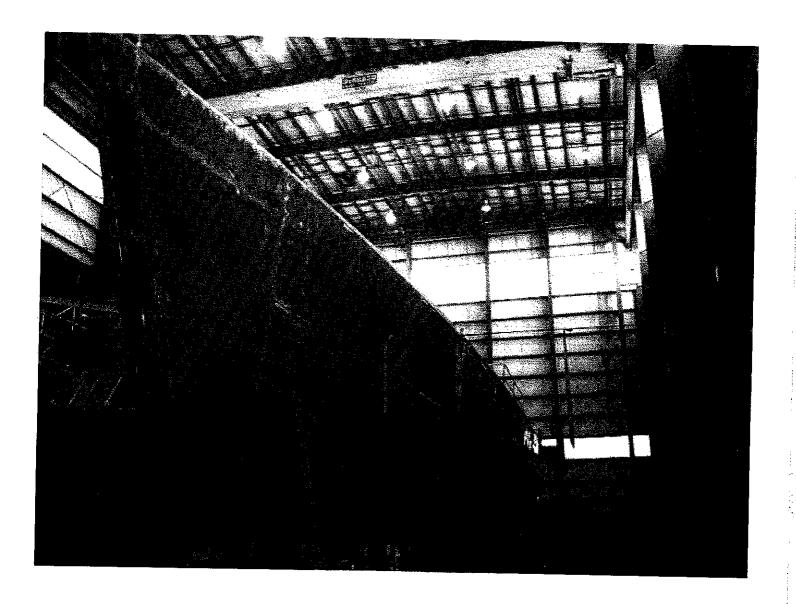
chooks and bapeling equipment for the stayings, humble set retrieving of the traidest, The Buildet will work with the Owner's Representatives and suppliers to provide accessory

Freegleth & Lauriot Privosi Playal Autocia

The fluides will provide for receiving and clurage of the muleux.







GEMINI II LTD

Cayman Business Park, A7, P.O. Box 10300 APO Grand Cayman, Cayman Islands

July 10, 2008

Via electronic mail pauld@derecktor.com

Derecktor Shipyards Conn., LLC Attn. Mr. Paul Derecktor 837 Seaview Drive Bridgeport, CT 06607

Re:

Movement of Vessel - Gemini Project

Dear Sirs:

We wish to confirm the direction conveyed orally earlier today to Messrs. Derecktor and Gallagher by Gemini II Ltd. ("Owner") with respect to the project named "GEMINI," Builder 's Hull No. 85135 (the "Vessel").

We were advised recently that Derecktor Shipyards Conn., LLC ("Builder") intends to move the Vessel from the current building to another slied enclosed on three sides by stacked shipping containers and a corrugated roof. The shed is open on one side. The shed does not have mezzanines, heat, electrical power, or plumbing facilities. Despite a request for a copy of the Certificate of Occupancy for the shed, no such Certificate has been produced to us. Similarly, although we have asked to review insurance policies as required by the Vessel Construction Agreement dated as of June 30, 2005 (the "Contract") to determine whether the Vessel has been properly insured, we have only received a renewal notice which does not follow the requirements of the Contract (liability and deductable). Furthermore we have received no indication that the premium payments are current.

We also understand that given the current status of the interior work there is a concern as to the leveling of the Vessel and the impact on the proper completion of the interior. Finally, you are well aware that, as you advised on or about June 13, 2008, the Builder has redirected its resources and has effectively stopped work on the construction of the Vessel except as may be necessary for the movement of the Vessel.

Under these circumstances, Owner has advised you that it objects to any movement of the Vessel. Owner has also instructed you that you are required, pursuant to the Contract, to resume full time work on the Vessel in its current location.

Very truly yours,

Gavin Bladen

Owner's Representative

cc: Barry Grossman, Esq. Ellenoff Grossman & Schole LLP

5467935_v1

From: jgall@derecktor.com [mailto:jgall@derecktor.com]

Sert: Friday, July 11, 2008 9:25 AM **To:** captain@sy-hemisphere.com

Cc: dmcmahon@barwol.com; pauld@derecktor.com; Forsberg, Lars (NYC - X73316); jsgpsg@aol.com

Subject: RE: Movement of the vessel

Gavin,

This is to confirm my earlier conversation with you (7:45 AM today) that Derecktor will not move Gemini to the container shed this weekend. We will complete the Quonset building and get a Certificate of Occupancy before moving the boat to the building. I will also get you information on the keel blocking system and building's floor strength later today.

Regards, John

From: Gavin Bladen [mailto:captain@sy-hemisphere.com]

Sent: Thursday, July 10, 2008 11:53 PM

To: toni@egsllp.com

Cc: Paul Derecktor; John Gallagher Subject: FW: Movement of the vessel

Dear Toni.

Due to receiving an 'out of office' response from your colleague Mr Barry Grossman, please find the attached information for your reference on his behalf.

Best regards, Gavin Bladen

From: Gavin Bladen [mailto:captain@sy-hemisphere.com]

Sent: Thursday, July 10, 2008 11:15 PM

To: 'pauld@derecktor.com'

Cc: 'bigrossman@egsllp.com'; 'jgall@derecktor.com'

Subject: Movement of the vessel

Dear Paul.

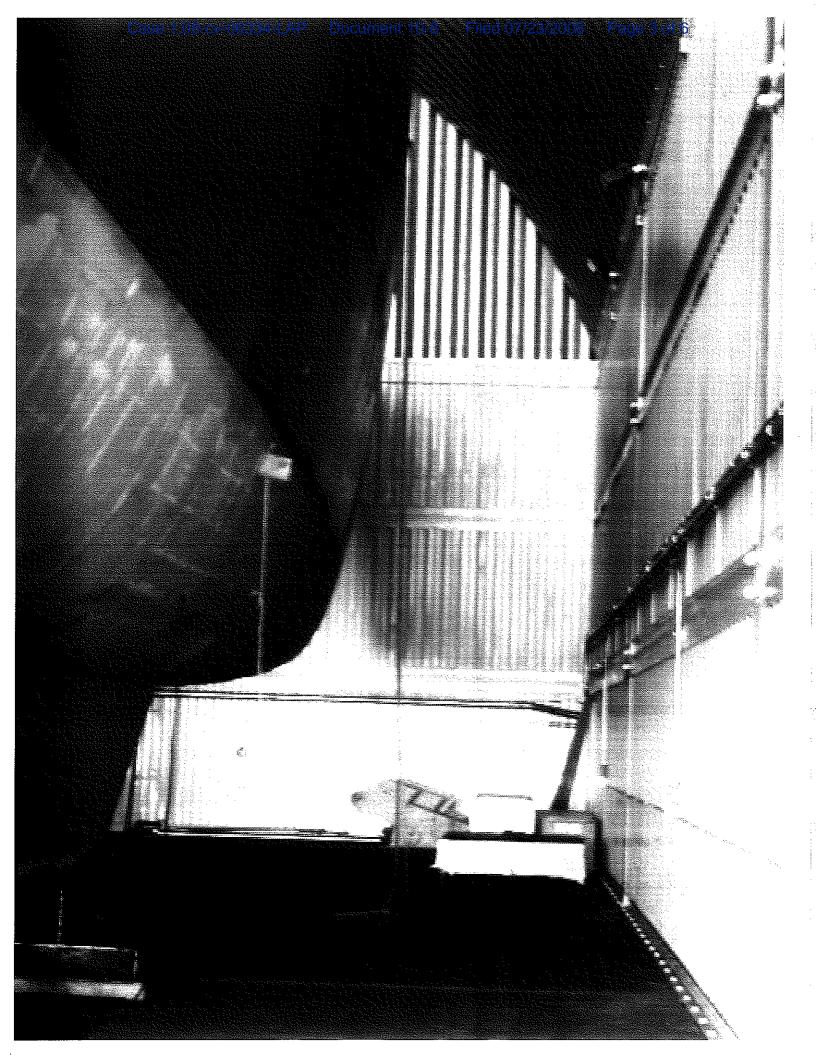
Please find attached a letter relating to today's conversation on DSY's intentions to relocate the vessel and productivity onboard.

Best regards,

Gavin

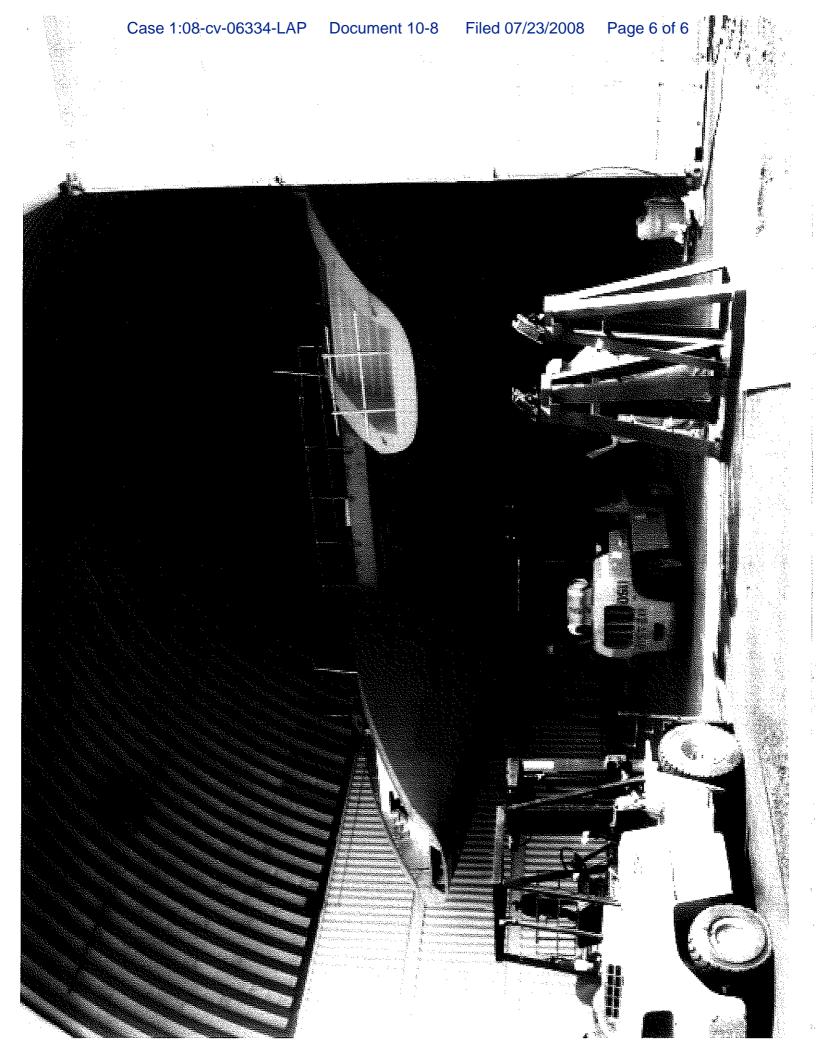
***********Confidential Communication************

This message, together with any attachments, is intended only for use by the individual or entity









Case 1:08-cy-06334-	LAP Document 10-9 Filed 07/23/2008 Page 2 of 2
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TYPE OF IMPROVEMENT ☐ New construction ☐ Addition ☐ Alterations ☐ Interior ☐ Exterior	Change of use: New: Existing: Describe Work To Be Done Fully: Construction of an interin utility building as a strace and weather shelfer for
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TYPE OF IMPROVEMENT New construction Addition Alterations Interior Exterior Repairs Other	Change of use: New: Existing: Describe Work To Be Done Fully: Construction of an interin utility building as a storage and weather shelter for Sand blasting and performing service work on vessels (work normally done outside)
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TYPE OF IMPROVEMENT New construction Addition Alterations Interior Exterior Repairs Other USE GROUP(S) RESIDENTIAL	Change of use: New: Existing: Describe Work To Be Done Fully: Construction of an interin utility building as a strage and weather shelter for send blasting and performing service work on vessels (work normally done outside) As Approved By The Coastal Site Man Review was conducted and approved in accordance with Sections 11 through 15 of Mublic Act 79-535 the Connecticut Coastal Management Act on Management Act on Management Act of Mana
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